8th Revised Edition

Rogers' BOILER DATA BOOK

A Hal Rogers' PUBLICATION

A compilation of Ratings, Grate areas, etc., of Hot Water and Steam Heating Boilers made and/or sold in Canada

$10.00 per copy

published by

H. A. ROGERS & COMPANY LIMITED

287 MacPherson Avenue Toronto 7, Canada

ROGERS' BOILER DATA

8th Edition

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H.A.ROGERS & CO. LIMITED
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"Basmor"	- Warden King Limited
Bell Imperial "Victor"	- Robt. Bell Industries Ltd.
"Big Twin"	- Lord & Burnham Co. Ltd.
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"Calor"	- E. Leonard & Sons Ltd.
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"Dominion"	- Dominion Boiler & Radiator Co. Ltd.
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"Imperial"	Clare Bros. Ltd.
"Imperial"	Rheem Manufacturing Co.
"King"	Imperial Iron
"Locoheat"	Campbell Steel & Iron Works Ltd.
"Matheson"	Matheson (USA)
"Mogul"	Dominion Boiler & Radiator Co. Ltd.
"Monarch"	Taylor-Forbes Ltd.
"Morheat"	Morheat (Chatham Erecting Co. Ltd.)
"Napanee"	Napanee Iron Works
"New Bright Idea"	Gurney Fourdry Co. Ltd.
"New Canadian"	Taylor-Forbes Ltd.
"New Improved Daisy"	Warden King Ltd.
"New King"	Imperial Iron
"New Monarch"	Taylor-Forbes Ltd.
"Newport"	Newport Boiler Co.
"Oakwood"	Oakwood Iron Works Ltd.
"Oil-O-Therm"	Volcano Ltd.
"Oxford"	Gurney Fdry. Co. Ltd.
"Pacific"	Waterous Ltd.
"Pascol"	Port Arthur Shipbuilding Co. Ltd.
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"Pendell"	Pendell Boiler Limited
"Pend-Oil"	Pendell Boiler Limited
"Percoflash"	Percoflash (Diamalloy Mfg. Co.)
"Power-Pak"	Power-Pak (Orr & Sembower Inc.)
"Powrmatic"	Kresno-Stamm Mfg. Co. (Canada) Ltd.
"Preston"	Clare Bros. Ltd.
"Progress"	Cleaver-Brooks Co.
"Redflash"	Dominion Boiler & Radiator Ltd.
"Robb-Victor"	Robb Engineering Works Ltd.
"Royal"	The Anthes-Imperial Co. Ltd.
"Royal"	Imperial Iron Corp.
"Royoil"	Dominion Boiler & Radiator Ltd.
"Royoil"	Gurney Foundry Co. Ltd.
"Safford"	Dominion Boiler & Radiator Co. Ltd.
"Severn"	Dominion Boiler & Radiator Co. Ltd.
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"Trojan" . . . . - Gurney Foundry Co. Ltd.

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"Viking" . . . . - Warden King Ltd.
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THE GURNEY FOUNDRY CO. LIMITED
OLD STYLE "COLUMN TYPE" RADIATORS

ONE COLUMN

Height	Sq. Ft.
38"	3
32"	2-1/2
26"	2
20"	1-1/2

FIVE COLUMN
Gurney-Oxford

Height	Sq. Ft.
38"	10
26"	7

TWO COLUMN

Height	Sq. Ft.
45"	5
38"	4
32"	3-1/3
26"	2-2/3
23"	2-1/3

GURNEY WINDOW

Height	Sq. Ft.
16½"	5
13½"	4

THREE COLUMN

Height	Sq. Ft.
45"	6
38"	5
32"	4-1/2
26"	3-3/4
23"	3
20"	2-1/4

FOUR COLUMN
Gurney-Oxford Quartet

Height	Sq. Ft.
42½"	9-2/3
38½"	8
32½"	6-2/3
26½"	5-1/3
20½"	4

IMPERIAL IRON CORP. LTD.
OLD STYLE "COLUMN TYPE" RADIATORS

ONE COLUMN
"Imperial"

Height	Sq. Ft.
38"	3
32"	2-1/2
26"	2
23"	1-2/3
20"	1-1/2

TWO COLUMN

45"	5
38"	4
32"	3-1/3
30"	3
26"	2-2/3
23"	2-1/3
20"	2

THREE COLUMN

44"	6
38"	5
32"	4-1/2
26"	3-3/4
22"	3
18"	2-1/4

FOUR COLUMN

45"	10
38"	8
32"	6-1/2
26"	5
22"	4
18"	3

TWO COLUMN
"King" Plain or Ornam.

Height	Sq. Ft.
45"	5
38"	4
32"	3-1/3
26"	2-2/3
23"	2-1/3
20"	2

THREE COLUMN

44"	6
38"	5
32"	4-1/2
26"	3-3/4
22"	3
18"	2-1/4

FOUR COLUMN

45"	9-2/3
38"	8
32"	6-2/3
26"	5-1/3
20"	4
16"	2-1/2

HOSPITAL
Two Column

Height	Sq. Ft.
45"	5
38"	4
32"	3-1/3
30"	3
26"	2-2/3
23"	2-1/3
20"	2

Three Column

44"	6
38"	5
32"	4-1/2
26"	3-3/4
22"	3
18"	2-1/4

WINDOW (5 Column)

Height	Sq. Ft.
20"	6
18"	6
16"	4-2/3
14"	4-2/3

E.& O.E.

DOMINION RADIATOR AND BOILER CO. LTD.
OLD STYLE "COLUMN TYPE" RADIATORS

ONE COLUMN

"Zenda" - "Saxon"
"Regina" - "Victoria"
"Peerless"

Height	Sq. Ft.
38"	3
32"	2-1/2
26"	2
23"	1-2/3
20"	1-1/2

FOUR COLUMN

"Favorite" - "Daisy"

Height	Sq. Ft.
42"	9-2/3
38"	8
32"	6-2/3
26"	5-1/3
20"	4
16"	2-1/2

"Regina" - "Victoria"

Height	Sq. Ft.
45"	10
38"	8
32"	6-1/2
26"	5
22"	4
20"	3-1/2
18"	3

"Peerless"

Height	Sq. Ft.
45"	10
38"	8
32"	6-1/2
26"	5
22"	4
18"	3

TWO COLUMN

"Perfect" - "Regina"
"Victoria" - "Saxon"
"Peerless"

Height	Sq. Ft.
45"	5
38"	4
32"	3-1/3
30"	3
26"	2-2/3
23"	2-1/3
20"	2

"Florence"

Height	Sq. Ft.
45"	5
38"	4
32"	3-1/3
26"	2-2/3
20"	2
16"	1-1/2

"Daisy" - "Favorite"

Height	Sq. Ft.
38"	4
32"	3-1/3
26"	2-2/3
20"	2
16"	1-1/2

FIVE COLUMN

"Acme"

Height	Sq. Ft.
20"	6
18"	5-1/3
16"	4-2/3
14"	4
13"	3-2/3

THREE COLUMN

"Trident" - "Regina"
"Victoria" - "Saxon"

Height	Sq. Ft.
44"	6
38"	5
32"	4-1/2
26"	3-3/4
22"	3
18"	2-1/4

"Peerless"

Height	Sq. Ft.
45"	6
38"	5
32"	4-1/2
26"	3-3/4
22"	3
18"	2-1/4

WINDOW (5-Column)

"Peerless"

Height	Sq. Ft.
20"	5
16"	3-3/4
13"	3

SIX COLUMN

"Regina"

Height	Sq. Ft.
20"	5
18"	4-1/4
16"	3-3/4
14"	3-1/4
13"	3

HOSPITAL RADIATION

TWO COLUMN

"Peerless"

Height	Sq. Ft.
38"	4
32"	3-1/3
26"	2-2/3

TWO COLUMN

"Saxon"

Height	Sq. Ft.
45"	5
38"	4
32"	3-1/3
30"	3
26"	2-2/3
23"	2-1/3
20"	2

THREE COLUMN

"Saxon"

Height	Sq. Ft.
44"	6
38"	5
32"	4-1/2
26"	3-3/4
22"	3
18"	2-1/4

10
40
30
6020

OLD STYLE "COLUMN TYPE" RADIATORS
TAYLOR-FORBES LIMITED

TWO COLUMN
"Colonial"

Height	Sq.Ft.
45"	5
38½"	4
32½"	3-1/3
30"	3
26½"	2-2/3
26"	2-1/3
20½"	2

"Monarch"

Height	Sq.Ft.
38½"	4
32½"	3-1/3
26½"	2-2/3
20½"	2
16½"	1-1/2

HOSPITAL
THREE COLUMN

Height	Sq.Ft.
38"	5
32"	4-1/2
26"	3-3/4
22"	3
18"	2-1/4

THREE COLUMN
"Empire"

Height	Sq.Ft.
38"	5
32"	4-1/2
26"	3-3/4
22"	3
18"	2-1/4

WINDOW (5-Column)

Height	Sq.Ft.
20"	6
18"	5-1/3
16"	4-2/3
14"	4
13"	3-2/3

HOSPITAL
FOUR COLUMN

Height	Sq.Ft.
42½"	9-2/3
38½"	8
32½"	6-1/2
26½"	5
20½"	3-1/2
16½"	2-1/2

FOUR COLUMN
"Monarch"

Height	Sq.Ft.
42½"	9-2/3
38½"	8
32½"	6-1/2
26½"	5
20½"	3-1/2
16½"	2-1/2

HOSPITAL
TWO COLUMN

Height	Sq.Ft.
45"	5
38½"	4
32½"	3-1/3
30"	3
26½"	2-2/3
23"	2-1/3
20½"	2

WARDEN KING LIMITED
Plain or Ornamental

TWO COLUMN
"King" - "Viking"

Height	Sq.Ft.
45"	5
38"	4
32"	3-1/3
26"	2-2/3
23"	2-1/3
20"	2

THREE COLUMN
"King" - "Viking"

Height	Sq.Ft.
44"	6
38"	5
32"	4-1/2
26"	3-3/4
22"	3
18"	2-1/4

WINDOW (6-Column)

Height	Sq.Ft.
20"	5
18"	4-1/2
16"	4
14"	3-1/2

FOUR COLUMN
"King" - "Viking"

Height	Sq.Ft.
42"	9-2/3
38"	8
32"	6-2/3
26"	5-1/3
20"	4
16"	2-1/2

"TUBE" TYPE - CAST IRON RADIATORS

THREE COLUMN

Height	Sq. Ft.
38"	3-1/2
32"	3
26"	2-1/3

FOUR COLUMN

Height	Sq. Ft.
38"	4-1/4
32"	3-1/2
26"	2-3/4
20"	2-1/4

FIVE COLUMN

Height	Sq. Ft.
38"	5
32"	4-1/3
26"	3-1/2
20"	2-2/3

SIX COLUMN

Height	Sq. Ft.
38"	6
32"	5
26"	4
20"	3

SEVEN COLUMN (Window)

Height	Sq. Ft.
20"	3-2/3
17"	3
15"	2-1/2

WALL RADIATORS

Old Style	
24-1/8 x 14" .	9 Ft.
19-1/8 x 14" .	7 Ft.
New Style	
29-1/8 x 10-3/4	9 Ft.
21-1/8 x 10-3/4	7 Ft.

American-Standard Products (Canada) Limited

G-2 GAS BOILERS - WATER
(For Natural Gas Only)

Boiler Number	BTU Input	BTU GROSS Output	EDR NET Installed Rad.
GW-23	60,000	48,000	240
GW-24	90,000	72,000	360
GW-25	120,000	96,000	480
GW-26	150,000	120,000	600
GW-27	180,000	144,000	720
GW-28	210,000	168,000	840
GW-29	240,000	192,000	960
GW-210	270,000	216,000	1080
GW-211	300,000	240,000	1200

G-4 and G-6 GAS BOILERS WATER & STEAM
(For Natural Gas Only)

	GROSS A.G.A.		WATER		STEAM	Chimney	
Boiler	Input	Output	NET I.B.R.		NET I.B.R.		
Number	M.B.H.	M.B.H.	M.B.H.	Sq. Ft.	Sq. Ft.	Size	Height
G-44	180	144	109	725	450	6"	20'
G-45	240	192	144	960	600	7"	20'
G-46	300	240	180	1200	750	7"	20'
G-47	360	288	216	1440	900	8"	20'
G-48	420	336	253	1685	1050	8"	20'
G-49	480	384	289	1925	1200	9"	20'
G-410	540	432	324	2160	1350	9"	20'
G-411	600	480	360	2400	1500	10"	20'
G-66	650	520	392	2615	1625	11"	20'
G-67	780	624	468	3120	1950	12"	20'
G-68	910	728	545	3635	2275	13"	20'
G-69	1040	832	623	4155	2600	13"	20'
G-610	1170	936	701	4675	2926	14"	20'
G-611	1300	1040	781	5205	3250	15"	20'
G-613	1560	1248	936	6240	3900	15"	20'
G-615	1820	1456	1109	7395	4615	16"	20'
G-617	2080	1664	1282	8545	5340	16"	30'
G-619	2340	1872	1450	9665	6050	17"	30'
G-621	2600	2080	1613	10755	6730	18"	30'
G-622	2730	2184	1694	11295	7065	19"	30'
G-625	3120	2496	1939	12925	8075	20"	30'
G-628	3510	2808	2179	14525	9085	21"	30'
G-631	3900	3120	2424	16160	10095	22"	30'
G-633	4160	3328	2580	17200	10775	24"	30'
G-637	4680	3744	2904	19360	12100	26"	30'
G-641	5200	4160	3228	21520	13460	26"	30'

AMERICAN-STANDARD PRODUCTS (CANADA) LIMITED ... SEE ALSO "DOMINION"

AMERICAN-STANDARD "A-7" CAST IRON BOILERS

Note: For Steam add letter "S"; Water add letter "W"
Steam Oil Fired "SO"; Water Oil Fired "WO"
Steam Stoker Fired "SC"; Water Stoker Fired "WC"

OIL OR STOKER FIRED

		NET I-B-R RATINGS					
Boiler Number	STEAM MBH	STEAM Sq. Ft.	WATER MBH	WATER Sq. Ft.	Gross I-B-R Output	I-B-R Burner Cap. Gals	Chimney Size
A-705	629	2620	650	4330	866	8.15	16x16"
A-706	744	3100	758	5055	1011	9.55	16x16"
A-707	893	3720	897	5980	1196	11.25	16x20"
A-708	1042	4340	1042	6945	1376	12.90	16x20"
A-709	1202	5010	1202	8015	1569	14.65	16x20"
A-710	1363	5680	1363	9085	1761	16.30	20x20"
A-711	1517	6320	1517	10115	1954	18.00	20x20"
A-712	1666	6940	1666	11110	2146	19.65	20x20"
			HAND FIRED				
A-705	626	2610	626	4170	1122	---	16x16"
A-706	744	3100	744	4960	1298	---	16x20"
A-707	893	3720	893	5955	1509	---	20x20"
A-708	1042	4340	1042	6945	1708	---	20x20"
A-709	1202	5010	1202	8015	1910	---	20x20"
A-710	1363	5680	1363	9085	2109	---	20x24"
A-711	1517	6320	1517	10115	2286	---	20x24"
A-712	1666	6940	1666	11110	2454	---	24x24"

THE ANTHES-IMPERIAL CO. LIMITED ... SEE ALSO "IMPERIAL"

ANTHES GAS BOILERS - SERIES 22, 33, 44, 66
NATURAL, MANUFACTURED & MIXED GAS

	WATER		STEAM		
Model Number	NET I.B.R. Sq. Ft.	NET I.B.R. B.T.U.	NET I.B.R. Sq. Ft.	NET I.B.R. B.T.U.	AGA Input B.T.U.
3-W-22	205	31000	110	26000	51000
4-W-22	310	47000	165	40000	76500
5-W-22	410	62000	220	53000	102000
6-W-22	510	77000	275	66000	127500
7-W-22	610	92000	330	79000	153000
4-W-33	650	98000	355	85000	162000
8-W-22	715	107000	390	94000	178500
4-W-44	810	122000	445	107000	202500
5-W-33	865	130000	475	114000	216000
6-W-33	1080	162000	600	144000	270000
7-W-33	1295	194000	725	174000	324000
6-W-44	1355	203000	760	182000	337500
8-W-33	1510	227000	850	204000	378000
7-W-44	1625	244000	920	221000	405000
9-W-33	1725	259000	980	235000	432000
8-W-44	1890	284000	1080	259000	472500
9-W-44	2160	324000	1240	298000	540000
10-W-44	2430	365000	1410	338000	607500
11-W-44	2700	405000	1580	379000	675000
12-W-44	2975	446000	1750	420000	742500
4-W-66	3005	451000	1770	425000	750000
13-W-44	3245	487000	1920	461000	810000
5-W-66	4005	601000	2410	578000	1000000
6-W-66	5010	752000	3070	737000	1250000
7-W-66	6010	902000	3740	898000	1500000
8-W-66	7070	1061000	4420	1061000	1750000
9-W-66	8190	1229000	5120	1229000	2000000
10-W-66	9280	1392000	5800	1392000	2250000
11-W-66	10365	1555000	6480	1555000	2500000
12-W-66	11390	1709000	7120	1709000	2750000
13-W-66	12410	1862000	7760	1862000	3000000
14-W-66	13475	2021000	8420	2021000	3250000
15-W-66	14495	2174000	9060	2174000	3500000
16-W-66	15520	2328000	9700	2328000	3750000
17-W-66	16560	2484000	10350	2484000	4000000
18-W-66	17600	2640000	11000	2640000	4250000
19-W-66	18640	2796000	11650	2796000	4500000
20-W-66	19680	2952000	12300	2952000	4750000
21-W-66	20720	3108000	12950	3108000	5000000
22-W-66	21760	3264000	13600	3264000	5250000
23-W-66	22800	3400000	14250	3400000	5500000

NOTE: For STEAM Boiler Numbers substitute "S" for "W".

THE ANTHES-IMPERIAL CO. LIMITED ... SEE ALSO "IMPERIAL"

ANTHES "14-SERIES" SQUARE BOILERS - WATER

	HAND FIRED		AUTOMATIC FIRING			
	NET I-B-R Rating		NET I-B-R Rating			
Boiler Number	Sq. Ft.	B.T.U.	Sq. Ft.	B.T.U.	Burner Capacity	Chimney Size
W-14-3	270	41,000	430	65,000	.85	8"
W-14-4	370	55,000	570	86,000	1.05	8"
W-14-5	460	70,000	715	107,000	1.30	8"
W-14-6	560	84,000	855	128,000	1.60	8"
		"14-SERIES" BOILER-BURNER UNITS				
		WO-14-3B	430	65,000	.85	8"
		WO-14-4B	570	86,000	1.05	8"
		WO-14-5B	715	107,000	1.30	8"
		WO-14-6B	855	128,000	1.60	8"

ANTHES "18-SERIES" SQUARE BOILERS

	NET Rating - Sq.Ft.				
Boiler Number	WATER	STEAM	Grate Area	Firepot	Smoke Pipe
18-5	400	...	1.5	18x12"	9"
18-6	600	360	2.	18x16"	9"
18-7	725	435	2.5	18x20"	9"
18-8	850	525	3.	18x24"	9"
18-9	1000	600	3.5	18x28"	9"
18-10	1150	700	4.	18x32"	9"
18-11	1300	800	4.5	18x36"	9"
18-12	1450	900	5.	18x40"	9"

ANTHES "20-SERIES" SQUARE BOILERS - AUTOMATIC FIRING

	WATER		STEAM		Burner Cap.		
	NET I-B-R Rating		NET I-B-R Rating		Oil	Coal	Chimney
Boiler Number	Sq. Ft.	B.T.U.	Sq. Ft.	B.T.U.	Gals.	lbs.	Size
20-4	730	110,000	400	110,000	1.45	16	8x8"
20-5	910	137,000	500	137,000	1.80	20	8x8"
20-6	1080	162,000	600	162,000	2.15	24	8x12"
20-7	1235	185,000	690	185,000	2.40	27	8x12"
20-8	1390	209,000	780	209,000	2.65	31	8x12"
20-9	1560	234,000	880	234,000	2.95	34	8x12"
HAND FIRING							
20-4	560	84,000	350	84,000			8x8"
20-5	720	108,000	450	108,000			8x8"
20-6	880	132,000	550	132,000			8x12"
20-7	1055	158,000	660	158,000			8x12"
20-8	1230	185,000	770	185,000			8x12"
20-9	1410	211,000	880	211,000			8x12"

THE ANTHES-IMPERIAL CO. LIMITED ... SEE ALSO "IMPERIAL"

25 & 30 SERIES "ROYAL" BOILERS
For Automatic Firing

Boiler Number	WATER NET Rating		STEAM NET Rating		Burner Cap.		Chimney Size
	Sq. Ft.	B.T.U.	Sq. Ft.	B.T.U.	Oil Gals.	Coal Lbs.	
25-5	1425	204,000	850	204,000	2.8	31	12x12"
25-6	1670	240,000	1000	240,000	3.3	37	12x12"
25-7	1925	282,000	1175	282,000	3.8	43	12x16"
25-8	2175	324,000	1350	324,000	4.4	49	12x16"
30-5	2100	300,000	1250	300,000	4.1	46	12x16"
30-6	2500	360,000	1500	360,000	4.9	55	12x16"
30-7	2900	420,000	1750	420,000	5.7	64	12x16"
30-8	3300	480,000	2000	480,000	6.6	74	16x16"
30-9	3810	571,200	2380	571,200	7.8	87	16x16"
30-10	4080	612,000	2550	612,000	8.3	93	16x16"
30-11	4370	655,200	2730	655,200	9.0	101	16x20"
30-12	4660	703,200	2930	703,200	9.6	108	16x20"

AS ABOVE ... FOR HAND FIRING

Boiler Number	WATER NET Rating		STEAM NET Rating		Chimney Size
	Sq. Ft.	B.T.U.	Sq. Ft.	B.T.U.	
25-5	1425	204,000	850	204,000	12x12"
25-6	1670	240,000	1000	240,000	12x12"
25-7	1925	282,000	1175	282,000	12x16"
25-8	2175	324,000	1350	324,000	12x16"
30-5	2100	300,000	1250	300,000	12x16"
30-6	2500	360,000	1500	360,000	12x16"
30-7	2900	420,000	1750	420,000	16x16"
30-8	3300	480,000	2000	480,000	16x16"
30-9	3810	571,200	2380	571,200	16x16"
30-10	4080	612,000	2550	612,000	16x20"
30-11	4370	655,200	2730	655,200	16x20"
30-12	4660	703,200	2930	703,200	16x20"

"ROYAL" ROUND HOT WATER BOILERS

Boiler Number	NET Rating Sq. Ft.	Grate Area	Depth of Firepot	Smoke Pipe
3-19-W	250	19"	16-3/4"	8"
4-19-W	365	19"	16-3/4"	8"
5-19-W	420	19"	16-3/4"	8"
4-22-W	500	22"	16-3/4"	9"
5-22-W	585	22"	16-3/4"	9"
4-25-W	685	25"	17-1/4"	9"
5-25-W	750	25"	17-1/4"	9"
3-28-W	935	28"	18-3/4"	10"
4-28-W	1000	28"	18-3/4"	10"
5-28-W	1100	28"	18-3/4 "	10"
4-31-W	1250	31"	19-1/2"	10"
5-31-W	1350	31"	19-1/2"	10"
4-34-W	1500	34"	19-1/2"	12"
5-34-W	1765	34"	19-1/2"	12"

THE ANTHES STEEL BOILER - HOT WATER

Model Number	WO-11	WO-12	WO-13
Net Rating Sq.Ft. EDR	420	560	700
Net Rating BTU per hr.	63,000	84,000	105,000
Gross Output BTU per hr.	78,750	105,000	131,250
Oil Firing Rate G.P.H. U.S.	.75	1.0	1.25
Chimney Size	8x8x20	8x8x20	8x8x25

ANTHES SERIES 300 - RESIDENTIAL TYPE STEEL BOILERS

(Boiler numbers have prefix letter "W" for Water - "S" for Steam)

S.B.I. Rating	WATER		STEAM					
Model Number	Mech. Fired NET	Hand Fired NET	Mech. Fired NET	Hand Fired NET	Heating Surface Sq. Ft.	Base Height	Firebox	Firebox Height
301	1620	1180	900	740	53	13"	19x30"	20"
302	1980	1450	1100	910	65	13"	19x35"	20"
303	2340	1720	1300	1080	77	14"	22x38"	26"
304	2700	1970	1500	1230	88	14"	22x45"	26"
305	3240	2370	1800	1480	106	14"	26x40"	28"
306	3960	2890	2200	1810	129	14"	26x52"	28"
307	4680	3430	2600	2140	153	14"	26x64"	28"
308	5400	3970	3000	2480	177	14"	30x47"	32"
309	6300	4600	3500	2880	206	14"	30x54"	32"
310	7200	5280	4000	3300	236	14"	30x63"	32"
312	8100	5920	4500	3700	265	14"	30x81"	32"
313	9000	6560	5000	4100	294	14"	36x73½"	33"

ANTHES SERIES 400 - COMMERCIAL TYPE STEEL BOILERS

WATER Model Number	Heating Surface Sq. Ft.	Hand Fired Rating GROSS Sq.Ft.	Hand Fired Rating NET Sq.Ft.	Mechanical Fired GROSS Sq.Ft.	Mechanical Fired NET Sq.Ft.	Firebox Length & Width	Firebox Height
W4318	318	7123	5934	8650	7206	70½x36"	41"
W4369	369	8266	6886	10037	8361	88x36"	41"
W4422	422	9453	7875	11478	9562	88x36"	41"
W4522	522	11693	9740	14198	11826	86x42"	44"
W4624	624	13977	11644	16973	14140	85x47½"	52"
W4739	739	16554	13790	20100	16745	103x47½"	52"
W4940	940	21056	17540	25568	21310	101½x53½"	52½"
W41040	1040	23296	19406	28288	23562	97x58½"	60½"
W41245	1245	27888	23232	33864	28206	117x58½"	60½"
STEAM							
S4318	318	4452	3708	5406	4503	70½x36"	41"
S4369	369	5166	4303	6273	5225	88x36"	41"
S4422	422	5908	4921	7174	5975	88x36"	41"
S4522	522	7308	6 087	8874	7391	86x42"	44"
S4624	624	8736	7276	10608	8836	85x47½"	52"
S4739	739	10346	8617	12563	10464	103x46½"	52"
S4940	940	13160	10960	15980	13310	101½x53½"	52½"
S41040	1040	14560	12126	17680	14726	97x58½"	60½"
S41245	1245	17430	14517	21165	17629	117x58½"	60½"

E.& O.E.

Made by Atlantic Steel Boiler Co.,
Philadelphia, Pa., USA

ATLANTIC STEEL OIL BURNING BOILERS

Boiler Number	SBI Net Rating STEAM Sq. Ft.	Gravity WATER Sq. Ft.	Forced Circulation BTU/HR	Firing Rate Gals/hr	Max. Firing Rate Gals	Heating Surface SBI Min.
1925	400	640	110	1.20	1.65	24 sq.ft.
2425	550	880	148	1.65	2.50	32 " "
2430	700	1120	189	2.00	3.00	41 " "
2635	900	1440	243	2.50	3.75	53 " "
2640	1100	1760	297	3.00	4.50	65 " "
2645	1300 ×	2080 ×	351 2340	3.50	5.25	77 " "
2940	1500	2400	405	4.00	6.00	88 " "
2945	1800	2880	486	5.00	7.50	106 " "
2955	2200	3520	594	6.00	9.00	129 " "
3450	2600	4160	702	7.00	10.50	153 " "
3455	3000	4800	810	8.00	12.00	177 " "
3960	4000	6400	1080	10.00	15.00	244 " "
3970	5000	8000	1350	13.00	19.00	299 " "

NOTE: BTU's above are in 1000's.

"NEW STAR" HOT WATER FURNACES

FURNACE NUMBER	NET RATINGS SQUARE FEET	GRATE DIAM.	HGHT. OF FIRE POT	HGHT. OF ASH PIT	SMOKE PIPE DIAMETER
17-202	200	17	13½	14½	7
17-253	250	17	13½	14½	7
17-304	300	17	13½	14½	7
17-355	350	17	13½	14½	7
17-406	400	17	13½	14½	7
19-403	400	19	14	14½	7
19-484	480	19	14	14½	7
19-565	560	19	14	14½	7
19-646	640	19	14	14½	7
21-533	530	21	15	15½	8
21-644	640	21	15	15½	8
21-745	740	21	15	15½	8
21-856	850	21	15	15½	8
24-683	680	24	15	15½	8½
24-814	810	24	15	15½	8½
24-955	950	24	15	15½	8½
24-1086	1080	24	15	15½	8½
26-863	860	26	17	16½	9
26-1014	1010	26	17	16½	9
26-1205	1200	26	17	16½	9
26-1416	1410	26	17	16½	9
27-1043	1040	27	17	16½	9
27-1204	1200	27	17	16½	9
27-1385	1380	27	17	16½	9
27-1596	1590	27	17	16½	9
31-1563	1560	31-3/4	17½	16	11
31-1814	1810	31-3/4	17½	16	11
31-2105	2100	31-3/4	17½	16	11
31-2446	2440	31-3/4	17½	16	11
36-2033	2030	36½	18	16	13
36-2384	2380	36½	18	16	13
36-2785	2780	36½	18	16	13
36-3266	3260	36½	18	16	13
39-2753	2750	39	18	16	13
39-3244	3240	39	18	16	13
39-3925	3920	39	18	16	13
39-4636	4630	39	18	16	13
45-3853	3850	45	19	17½	13
45-4624	4620	45	19	17½	13
45-5545	5540	45	19	17½	13
45-6646	6640	45	19	17½	13

NOTE

Capacities in the above list are given in square feet of net radiation. Dimensions are all given in inches. The furnaces enumerated in each series have from three to six tubular sections except the furnace No. 17-202, which has only two such sections.

Made by: Robt. Bell Industries Ltd., Seaforth, Ont.

BELL IMPERIAL "VICTOR" STEEL BOILERS - STEAM

Note: E.D.R. - 1 sq.ft. equals 240 Btu/hr.

Boiler Number	Heating Surface Sq.Ft.	Grate Area Sq. Ft.	S.H.B.I. RATINGS Hand Fired Gross	Net	Mechanical Fired Gross	Net
604	74	3.5	1036	866	1258	1051
605	90	4.4	1260	1053	1530	1278
606	112	4.4	1568	1310	1904	1590
607	138	5.1	1932	1609	2346	1954
608	165	6.3	2310	1924	2805	2336
609	190	8.3	2660	2215	3230	2690
609A	216	8.3	3024	2519	3672	3058
610	242	9.6	3388	2822	4114	3427
611	267	10.4	3738	3113	4539	3781
611A	292	10.4	4088	3405	4964	4135
612	318	11.9	4452	3708	5406	4503
613	369	12.2	5166	4303	6273	5225
614	422	13.9	5908	4921	7174	5975
616	472	16.0	6608	5504	8024	6683
617	522	17.9	7308	6087	8874	7391
618	573	20.2	8022	6681	9741	8114
618A	624	20.2	8736	7276	10608	8836
619	674	22.4	9436	7859	11458	9544
620	739	24.7	10346	8617	12563	10464
621	839	25.0	11746	9782	14263	11880
622	940	27.4	13160	10960	15980	13310
623	1040	30.2	14560	12126	17680	14726
624	1145	32.9	16030	13351	19465	16213
625A	1245	35.5	17430	14517	21165	17629
626A	1362	35.5	19068	15881	23154	19286
627A	1462	35.5	20468	17047	24854	20702
628A	1564	38.5	21896	18236	26588	22146
629A	1682	38.5	23548	19612	28594	23817
630A	1787	38.5	25018	20836	30379	25302
631A	1887	42.0	26418	22002	32079	26720
632	2087	42.0	29218	24334	35479	29552
633	2314	42.0	32396	26981	39338	32766
634	2520	44.9	35280	29383	42840	35682
WATER				WATER		
604	Same as above		1658	1384	2013	1680
605			2016	1683	2448	2043
606			2509	2094	3046	2542
607			3091	2575	3754	3128
608			3696	3079	4488	3739
609			4256	3545	5168	4306
609A			4838	4031	5875	4894
610			5421	4516	6582	5484
611			5981	4982	7262	6050
611A			6540	5449	7942	6617
612			7123	5934	8650	7206
613			8266	6886	10037	8361

(continued overleaf)

BELL IMPERIAL "VICTOR" STEEL BOILERS - WATER (Continued)

Boiler Number	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	S.H.B.I. RATINGS			
			Hand Fired		Mechanical Fired	
			Gross	Net	Gross	Net
614	422	13.9	9453	7875	11478	9562
616	472	16.0	10573	8808	12838	10695
617	522	17.9	11693	9740	14198	11828
618	573	20.2	12835	10692	15586	12984
618A	624	20.2	13977	11644	16973	14140
619	674	22.4	15098	12577	18333	15273
620	739	24.7	16554	13790	20100	16745
621	839	25.0	18793	15656	22820	19011
622	940	27.4	21056	17540	25568	21310
623	1040	30.2	23296	19406	28288	23566
624	1145	32.9	25648	21366	31144	25946
625A	1245	35.5	27888	23282	33864	28262
626A	1362	35.5	30509	25469	37046	30917
627A	1462	35.5	32749	27339	39766	33187
628A	1564	38.5	35034	29247	42541	35503
629A	1682	38.5	37677	31453	45750	38181
630A	1787	38.5	40029	33417	48606	40565
631A	1887	42.0	42269	35287	51326	42835
632	2087	42.0	46749	39027	56766	47375
633	2314	42.0	51834	43272	62941	52528
634	2520	44.9	56448	47124	68544	57204
W604W	75	3.0	1658	1384	2013	1680
W605W	92	3.9	2016	1683	2448	2043
W606W	114	4.2	2509	2094	3046	2542
W607W	140	4.5	3091	2575	3754	3128
W608W	165	6.2	3696	3079	4488	3739
W609W	190	8.0	4256	3545	5168	4306
W609AW	216	8.1	4838	4031	5875	4894
W610W	242	8.4	5421	4516	6582	5484
W611W	267	9.6	5981	4982	7262	6050
W611AW	292	10.4	6540	5449	7942	6617
W612W	318	10.4	7123	5934	8650	7206
W613W	369	11.9	8266	6886	10037	8361
W614W	422	12.6	9453	7875	11478	9562
W616W	472	13.9	10573	8808	12838	10695
W617W	522	16.0	11693	9740	14198	11828
W618W	573	17.9	12835	10692	15586	12984
W618AW	624	17.9	13977	11644	16973	14140
W619W	684	20.1	15098	12577	18333	15273
W620W	738	21.5	16554	13790	20100	16745
W621W	845	22.4	18793	15656	22820	19011
W622W	930	24.7	21056	17540	25568	21310
W623W	1034	25.6	23296	19406	28288	23566
W624W	1155	27.4	25648	21366	31144	25946
W625AW	1246	29.9	27888	23282	33864	28262
W626AW	1354	30.2	30509	25469	37046	30917
W627AW	1463	32.9	32749	27339	39766	33187
W628AW	1558	35.5	35034	29247	42541	35503

Made by:
Robt. Bell Industries Ltd.
Seaforth, Ontario

BELL IMPERIAL "VICTOR" STEEL BOILERS (Continued)

Boiler Number	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	Hand Fired Gross	Net	Mechanical Fired Gross	Net
W629AW	1676	35.5	37677	31453	45750	38181
W630AW	1795	35.5	40029	33417	48606	40565
W631AW	1896	35.5	42269	35287	51326	42835
W632W	2078	38.5	46749	39027	56766	47375
W633W	2313	38.5	51834	43272	62941	52528
W634W	2510	40.2	56448	47124	68544	57204

BELL'S IMPERIAL "S.B. SERIES"

Boiler Number	S.B.I. NET Rating Steam Sq. Ft.	Water Sq. Ft.	BTU 1000's Per Hr.	Heating Surface Sq. Ft.	Furnace Volume Cu. Ft.	Oil Gals Hr.	Gas 1000's Btu/hr.
SB2411	1100	1980	264	65	10.0	3.7	495
SB2413	1300	2340	312	77	11.8	4.3	585
SB2415	1500	2700	360	88	13.6	5.0	675
SB2418	1800	3240	432	106	16.4	6.0	810
SB2822	2200	3960	528	129	20.0	7.3	990
SB2826	2600	4860	624	153	23.6	8.7	1170
SB2830	3000	5400	720	177	27.3	10.0	1350
SB3535	3500	6300	840	206	31.8	11.7	1575
SB3540	4000	7200	960	236	36.3	13.3	1800
SB3545	4500	8100	1080	265	40.9	15.0	2025
SB3550	5000	9000	1200	294	45.4	16.7	2250

SERIES 2 PW STEEL BOILER-BURNER UNIT

2P - 35W	Hot Water	350	Sq. Ft.	Net
2P - 43W	" "	430	"	"	"
2P - 62W	" "	620	"	"	"

BRYANT MODEL 26 - GAS-FIRED BOILERS - SERIES "C"
For HOT WATER Heating Systems

Btu's in 1000's

Boiler Size	A. G. A. RATINGS Input BTU/HR	Output BTU/HR	Output Sq. Ft.	Installed Radiation Sq. Ft.	Water Heating Capacity Gals. per hr. 60°F Rise	100°F Rise
3	67.5	54	360	270	108	65
4	90	72	480	360	144	86
5	112.5	90	600	450	180	108
6	135	108	720	540	216	129
7	157.5	126	840	630	252	151
8	180	144	960	720	288	173
10	225	180	1200	900	359	216
12	270	216	1440	1080	431	259
14	315	252	1680	1260	503	302

NOTE: No's. 10, 12, 14 ratings are A.G.A. approved for altitudes to 5000 sq.ft. for natural, mixed and manufactured gas, and to 2000 s.ft. for LP gas.

MODEL 225 GAS-FIRED BOILERS - STEAM

Btu's in 1000's

Boiler Number	A. G. A. RATINGS Input BTU/HR	Output BTU/HR	Output Sq. Ft.	Direct C.I. Rad. Sq. Ft.	Water Heating Capacity Gals. per hr. 60°F Rise	100°F Rise
4	90	72	300	192	144	86
5	112.5	90	375	242	180	108
6	135	108	450	292	216	129
7	157.5	126	525	342	252	151
8	180	144	600	393	288	173

NOTE: Ratings are for altitudes to 2000 feet.
Ratings in square feet are computed at 240 Btu per sq.ft.
All above for Natural, Mixed and Manufactured Gas.

AS ABOVE but for L.P. Gas

4	83.3	66.6	277	178	133	80
5	104.2	83.3	348	225	166	100
6	125	100	417	271	200	120
7	145.8	116.6	485	317	233	140
8	166.7	133.3	555	363	267	160

BRYANT "MODEL 446" GAS-FIRED BOILERS
A.G.A. Ratings - BTU's in 1000's

Boiler Size	Nat. Mix. Mfd. LP-Air BTU Input	BTU Output	LPG BTU Input	BTU Output	Mix., Nat. Mfd. & LP-Air STEAM Sq. Ft.	WATER Sq. Ft.	LPG Output STEAM Sq. Ft.	WATER Sq. Ft.
3	198	158,4	180	144	660	1060	600	964
4	264	211,2	240	192	880	1410	800	1283
5	330	264	300	240	1100	1760	1001	1602
6	396	316,8	360	288	1320	2110	1201	1920
7	462	369,6	420	336	1540	2460	1401	2239
8	528	422,4	480	384	1760	2820	1601	2566

CAMPBELL STEEL & IRON
WORKS LTD., OTTAWA

RESIDENCE HEATING BOILERS
S.H.B.I. Rating - Hand Fired

Boiler Size	HOT WATER NET	HOT WATER Gross	STEAM NET	STEAM Gross	Heating Surface	Grate Surface	Smoke Pipe
1	970	1165	606	728	52	2.25	7"
2	1194	1433	746	896	64	3.	7"
3	1400	1680	874	1050	75	3.75	8"
3A	1828	2195	1142	1381	98	5.25	8"
			STOKER, GAS OR OIL				
1	1178	1414	736	884	52		10"
2	1450	1740	906	1088	64		10"
3	1700	2040	1062	1275	75		10"
3A	2220	2665	1387	1666	98		10"

"LOCOHEAT" WELDED BOILERS - EXTENDED FRONT
STEAM ..... S.H.B.I. Ratings

Boiler size Number	Heating Surface Sq. Ft.	Hand Fired Gross	Hand Fired NET	Stoker, Oil, Gas Gross	Stoker, Oil, Gas NET	Grate Surface Sq. Ft.
SB-4	80	1120	933	1360	1133	5.07
SB-5	100	1400	1166	1700	1416	6.08
SB-6	125	1750	1458	2125	1770	7.55
SB-7	150	2100	1749	2550	2124	7.55
SB-8	175	2450	2041	2975	2478	9.70
SB-9	200	2800	2332	3400	2832	11.1
SB-10	225	3150	2624	3825	3186	11.1
SB-11	250	3500	2915	4250	3540	12.1
SB-12	275	3850	3207	4675	3894	12.1
SB-13	300	4200	3498	5100	4248	13.6
SB-14	350	4900	4081	5950	4956	13.75
SB-15	400	5600	4664	6800	5664	15.5
SB-16	450	6300	5247	7650	6372	17.7
SB-17	500	7000	5830	8500	7080	19.7
SB-18	550	7700	6413	9350	7788	19.7
SB-19	600	8400	6996	10200	8496	20.
SB-20	650	9100	7579	11050	9204	22.2
SB-21	700	9800	8162	11900	9912	22.2
SB-22	800	11200	9328	13600	11328	24.5
SB-23	900	12600	10494	15300	12744	27.
SB-24	1000	14000	11660	17000	14160	32.6
SB-25	1100	15400	12826	18700	15576	32.6
SB-26	1200	16800	13992	20400	16992	32.6
SB-27	1300	18200	15158	22100	18408	35.2
SB-28	1500	21000	17490	25500	21240	38.4
SB-29	1600	22400	18556	27200	22656	41.6
SB-30	1800	25200	20988	30600	25488	44.8
SB-31	2000	28000	23320	34000	28320	44.8
SB-32	2200	30800	25652	37400	31152	48.3
SB-33	2400	33600	27984	40800	33984	51.7

BRYANT "MODEL 446" GAS-FIRED BOILERS (continued)

A.G.A. Ratings - BTU's in 1000's

Boiler	Nat. Mix. Mfd. LP-Air		LPG		Mix., Nat. Mfd. & LP-Air		LPG Output	
Size	BTU Input	BTU Output	BTU Input	BTU Output	STEAM Sq. Ft.	WATER Sq. Ft.	STEAM Sq. Ft.	WATER Sq. Ft.
9	594	475,2	540	432	1980	3170	1801	2885
10	660	528	600	480	2200	3520	2002	3203
11	726	580,8	660	528	2420	3870	2202	3522
12	792	633,6	720	576	2640	4220	2402	3840
13	858	686,4	780	624	2860	4580	2602	4168

	NET I-B-R Ratings (2)				Water Heating Capacity			
	Nat. Mix. Mfd. LP-Air		LP-Gas		Nat. Mix. Mfd. e/c		LPG	
	STEAM Sq. Ft.	WATER Sq. Ft.	STEAM Sq. Ft.	WATER Sq. Ft.	Gal/hr 60°F Rise	Gal/hr 100°F Rise	Gal/hr 60°F Rise	Gal/hr 100°F Rise
3	434	790	395	719	316	190	287	173
4	585	1055	532	960	422	253	384	230
5	739	1320	672	1201	527	316	479	287
6	895	1585	814	1442	633	380	576	346
7	1053	1850	958	1683	736	443	670	403
8	1214	2110	1104	1920	844	506	768	460
9	1377	2375	1253	2161	949	569	864	518
10	1540	2640	1401	2402	1055	632	960	575
11	1705	2905	1551	2643	1160	696	1056	633
12	1873	3170	1704	2385	1265	759	1151	690
13	2040	3430	1856	3121	1371	832	1248	757

BRYANT "MODEL 630" GAS-FIRED BOILER

(BTU/HR in 1000's)

	A.G.A. RATINGS AT BOILER						Water Heating Gals/hr	
		OUTPUT			INSTALLED RADIATION			
Boiler Size	Input BTU/hr	BTU/hr	STEAM Sq. Ft.	WATER Sq. Ft.	STEAM Sq. Ft.	WATER Sq. Ft.	60°F Rise	100°F Rise
8	888	710,4	2960	4740	2117	3553	1419	851
10	1110	888	3700	5920	2691	4441	1774	1064
12	1332	1065,6	4440	7100	3282	5329	2129	1277
14	1554	1243,2	5180	8290	3883	6217	2483	1490
16	1776	1420,8	5920	9470	4518	7192	2837	1702
18	1998	1598,4	6660	10660	5111	8178	3192	1915
20	2220	1776	7400	11840	5728	9164	3547	2128
22	2442	1953,6	8140	13020	6320	10112	3902	2341
24	2664	2131,2	8880	14210	6895	11031	4256	2554
26	2886	2308,8	9620	15390	7469	11950	4611	2767
28	3108	2486,4	10360	16580	8043	12869	4966	2979
30	3330	2664	11100	17760	8618	13789	5321	3192
32	3553	2841,6	11840	18940	9193	14708	5675	3405
34	3774	3019,2	12580	20130	9767	15627	6030	3618
36	2996	3196,8	13320	21300	10342	16547	6386	3831

Note: Ratings above are for natural, mixed and manufactured gases up to 2000 ft. altitude.
For LP Gases approx. 13% less.

CAMPBELL STEEL & IRON
WORKS LTD., OTTAWA

"LOCOHEAT" WELDED BOILERS - EXTENDED FRONT
WATER - S.H.B.I. Ratings

Boiler Size	Heating Surface Sq. Ft.	Hand Fired Gross	Hand Fired NET	Stoker, Oil, Gas Gross	Stoker, Oil, Gas NET	Grate Surface Sq. Ft.
WB-5	100	2240	1866	2720	2266	5.07
WB-6	125	2800	2333	3400	2833	7.10
WB-7	150	3360	2799	4080	3399	8.85
WB-8	175	3920	3266	4760	3966	9.70
WB-9	200	4480	3732	5440	4532	11.10
WB-10	225	5040	4199	6120	5099	11.10
WB-11	250	5600	4665	6800	5665	12.50
WB-12	275	6160	5132	7480	6232	12.50
WB-13	300	6720	5598	8160	6798	13.60
WB-14	350	7840	6531	9520	7931	15.10
WB-15	400	8960	7464	10880	9064	15.50
WB-16	450	10080	8397	12240	10197	17.20
WB-17	500	11200	9330	13600	11330	19.70
WB-18	550	12320	10263	14960	12463	19.70
WB-19	600	13440	11196	16320	13596	21.6
WB-20	650	14560	12129	17680	14729	22.2
WB-21	700	15680	13062	19040	15862	26.6
WB-22	800	17920	14928	21760	18128	26.6
WB-23	900	20160	16794	24480	20394	29.4
WB-24	1000	22400	18660	27200	22660	31.9
WB-25	1100	24640	20526	29920	24926	31.9
WB-26	1200	26880	22392	32640	27192	35.2
WB-27	1300	29120	24258	35360	29458	37.9
WB-28	1500	33600	27990	40800	33990	41.6
WB-29	1700	38080	31722	46240	38522	44.9
WB-30	1800	40320	33588	48960	40788	48.1
WB-31	2000	44800	37320	54400	45320	51.8
WB-32	2200	49280	41052	59840	49852	55.2
WB-33	2400	53760	44784	65280	54384	55.2
	STEAM	"LOCOHEAT" WELDED STEEL BOILERS - FLUSH FRONT				
SA-4	80	1120	933	1360	1133	5.27
SA-5	100	1400	1166	1700	1416	6.23
SA-6	125	1750	1458	2125	1770	7.73
SA-7	150	2100	1749	2550	2124	8.93
SA-8	175	2450	2041	2975	2478	9.86
SA-9	200	2800	2332	3400	2832	9.86
SA-10	225	3150	2624	3825	3186	11.2
SA-11	250	3500	2915	4250	3540	12.3
SA-12	275	3850	3207	4675	3894	12.3
SA-13	300	4200	3498	5100	4248	12.3
SA-14	350	4900	4081	5950	4956	14.4
SA-15	400	5600	4664	6800	5664	16.1
SA-16	450	6300	5247	7650	6372	18.1
SA-17	500	7000	5830	8500	7080	18.1
SA-18	550	7700	6413	9350	7788	20.8

(Continued next page)

CAMPBELL STEEL & IRON WORKS LTD., OTTAWA

"LOCOHEAT" WELDED STEEL BOILERS - FLUSH FRONT STEAM (Continued)

Boiler Size	Heating Surface Sq. Ft.	Hand Fired Gross	Hand Fired NET	Stoker, Oil, Gas Gross	Stoker, Oil, Gas NET	Grate Surface Sq. Ft.
SA-19	600	8400	6996	10200	8496	20.8
SA-20	650	9100	7579	11050	9204	23.
SA-21	700	9800	8162	11900	9912	23.
SA-22	800	11200	9328	13600	11328	25.2
SA-23	900	12600	10494	15300	12744	26.8
SA-24	1000	14000	11660	17000	14160	26.8
SA-25	1100	15400	18226	18700	15576	29.4
SA-26	1200	16800	13992	20400	16992	32.2
SA-27	1300	18200	15158	22100	18408	32.2
SA-28	1400	19600	16324	23800	19824	35.
SA-29	1500	21000	17490	25500	21240	35.
SA-30	1600	22400	18656	27200	22656	35.
SA-31	1700	23800	19822	28900	24072	37.6
SA-32	1800	25200	21988	30600	25488	37.6
SA-33	2000	28000	23320	34000	28320	41.
SA-34	2200	30800	25652	37400	31152	41.
SA-35	2400	33600	27984	40800	33984	44.3

WATER ..... "LOCOHEAT" WELDED STEEL BOILERS - FLUSH FRONT

Boiler Size	Heating Surface Sq. Ft.	Hand Fired Gross	Hand Fired NET	Stoker, Oil, Gas Gross	Stoker, Oil, Gas NET	Grate Surface Sq. Ft.
WA-5	100	2240	1866	2720	2266	6.23
WA-6	125	2800	2333	3400	2833	8.93
WA-7	150	3360	2799	4080	3399	8.93
WA-8	175	3920	3266	4760	3966	9.86
WA-9	200	4480	3732	5440	4532	9.86
WA-10	225	5040	4199	6120	5099	11.2
WA-11	250	5600	4665	6800	5665	12.3
WA-12	275	6160	5132	7480	6232	12.3
WA-13	300	6720	5598	8160	6798	12.3
WA-14	350	7840	6531	9520	7931	12.3
WA-15	400	8960	7464	10880	9064	14.4
WA-16	450	10080	8397	12240	10197	14.4
WA-17	500	11200	9330	13600	11330	16.1
WA-18	550	12320	10263	14960	12463	18.1
WA-19	600	13440	11196	16320	13596	18.1
WA-20	650	14560	12129	17680	14729	20.8
WA-21	700	15680	13062	19040	15860	20.8
WA-22	800	17920	14928	21760	18128	23.
WA-23	900	20160	16794	24480	20394	25.2
WA-24	1000	22400	18660	27200	22660	25.2
WA-25	1100	24640	20526	29920	24926	26.8
WA-26	1200	26880	22392	32640	27192	29.4
WA-27	1300	29120	24258	35360	29458	32.2
WA-28	1400	31360	26124	38080	31724	32.2
WA-29	1500	33600	27990	40800	33990	35.
WA-30	1600	35840	29856	43520	36256	35.
WA-31	1700	38080	31722	46240	38522	37.6
WA-32	1800	40320	33588	48960	40788	37.6
WA-33	2000	44800	37320	54400	45320	41.
WA-34	2200	49280	41052	59840	49852	41.

"BROWNWELD" RESIDENCE BOILERS

BOILER NUMBER	STEAM RAT. NET	WATER RAT. NET	HTG. SUR-FACE SQ.FT.	GRATE AREA SQ. FT.	FIRE BOX HT.	FIRE BOX LGTH.	FIRE BOX WDTH.	DIA. OF BREACHING	HT. OF ASH PIT
440	440	700	44	2.2	24	20	20	12	12
560	560	900	56	2.8	24	26	20	12	12
680	680	110	68	3.4	24	32	20	12	12
800	800	1280	80	4.0	24	38	20	12	12
920	920	1470	92	4.6	24	44	20	12	12
1040	1040	1690	104	5.2	24	50	20	12	12

"BROWNWELD" STANDARD HEATING BOILERS FOR BURNING COAL, OIL OR GAS

BOILER NUMBER	STEAM CAP. GROSS RATING	HTG. SUR-FACE SQ.FT.	GRATE AREA SQ.FT.	FIRE BOX HT.	FIRE BOX LGTH.	FIRE BOX WDTH.	HT. OF ASH PIT	DIAM. OF STACK
1060	1060	76	4.0	23	36	24	14	14
1200	1200	86	4.0	23	42	24	14	14
1340	1340	96	5.0	23	48	24	14	14
1480	1480	106	5.0	23	54	24	14	14
1630	1630	116	6.0	23	60	24	14	14
1760	1760	126	6.0	23	66	24	14	14
1900	1900	136	7.0	23	72	24	14	14
2040	2040	146	7.0	23	78	24	14	14
2300	2200	157	8.6	26	47	30	14	18
2675	2420	173	9.9	26	53	30	14	20
3250	2880	206	11.1	26	66	30	14	20
3650	3120	223	11.1	26	72	30	14	20
3700	3490	235	11.1	26	78	30	14	20
4050	3850	275	12.0	29	66	36	14	22
4300	4312	308	13.5	29	72	36	14	22
4550	4550	325	13.5	29	78	36	14	22
5250	5100	365	15.0	29	84	36	14	22
5950	5670	405	17.1	32	66	42	14	24
6450	6230	445	18.8	32	72	42	14	24
7000	6650	475	20.5	32	78	42	14	26
7700	7700	550	20.5	32	90	42	14	26
8250	7980	570	21.5	34	83	47½	14	26
9600	9240	660	23.5	34	97	47½	14	28
10800	10640	760	24.1	36	89	53¼	14	30
1200	12040	860	26.3	36	100	53¼	14	30

NOTE

Add 60% to rated capacity for Water Boilers.
Add 20% to gross rating for Stoker, Oil or Gas fired boilers.
Gross ratings based on 14 sq.ft. of radiation to one sq. ft. of heating
Deduct 20% from gross rating to obtain net rating. surface.

CAN. BROWN STEEL
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"BROWNWELD" STEEL BOILERS

S.H.B.I. Rating in Square Feet
of Equivalent Direct Radiation

Size Number	Heating Surface Sq. Ft.	STEAM Hand Fired GROSS	STEAM Hand Fired NET	WATER Hand Fired GROSS	WATER Hand Fired NET	Grate Surface Sq. Ft.	Stack Diam.
500	57	798	665	1277	1064	2.8	12"
650	74	1036	863	1658	1381	3.4	12"
800	90	1260	1049	2016	1679	4.	15"
1000	112	1568	1306	2509	2090	5.2	15"
1250	138	1932	1609	3091	2575	6.	15"
1500	165	2310	1924	3696	3079	7.	18"
1750	190	2660	2215	4256	3545	9.5	18"
2000	216	3024	2519	4838	4031	11.1	18"
2250	242	3388	2822	5421	4516	11.1	18"
2500	267	3738	3113	5981	4982	12.	20"
2750	292	4088	3405	6540	5449	12.	20"
3000	318	4452	3708	7123	5934	13.5	20"
3500	369	5166	4303	8266	6886	15.1	24"
4000	422	5908	4921	9453	7875	17.1	24"
4500	472	6608	5504	10573	8808	18.8	24"
5000	522	7308	6087	11693	9740	20.5	24"
5500	573	8022	6681	12835	10682	21.5	26"
6000	624	8736	7276	13977	11644	21.5	26"
6500	674	9436	7859	15098	12577	23.5	26"
7000	739	10346	8617	16554	13790	23.5	29"
8000	839	11746	9782	18793	15656	24.1	29"
9000	940	13160	10960	21056	17540	26.3	29"
10000	1040	14560	12126	23296	19406	27.5	29"
11000	1145	16030	13351	25648	21366	30.	29"
12000	1245	17430	14517	27888	23232	30.	30"
13000	1362	19068	15881	30508	25415	34.	30"
14000	1462	20468	17047	32749	27281	34.	30"
15000	1564	21896	18236	35034	29184	36.5	30"
16000	1682	23548	19612	27677	31386	36.5	32"
17000	1787	25018	20836	40029	33345	39.	32"
18000	1887	26418	22002	42268	35211	39.	32"
20000	2087	29218	24334	46749	38943	42.	38"
23000	2314	32396	26981	51834	43179	45.	38"
25000	2520	35280	29383	56448	47023	45.	38"

STOKER, GAS OR OIL FIRED

Size Number	Heating Surface Sq. Ft.	STEAM GROSS	STEAM NET	WATER GROSS	WATER NET	Grate Surface Sq. Ft.	Stack Diam.
500	Heating Surface Same as Above	969	807	1550	1292	Grate Surface & Stack Diam. Same as Above.	
650		1258	1047	2013	1677		
800		1530	1275	2448	2040		
1000		1904	1568	3046	2538		
1250		2346	1954	3754	3128		
1500		2805	2336	4488	3739		
1750		3230	2690	5168	4306		
2000		3672	3058	5875	4894		
2250		4114	3427	6582	5484		
2500		4539	3781	7262	6050		
2750		4964	4135	7942	6617		

(Continued next page)

"BROWNWELD" STEEL BOILERS (Continued)

Size Number	Heating Surface Sq. Ft.	STEAM Mech. Fired GROSS	STEAM Mech. Fired NET	WATER Mech. Fired GROSS	WATER Mech. Fired NET	Grate Surface Sq. Ft.	Stack Diam.
3000	318	5406	4503	8650	7206	13.5	20"
3500	369	6273	5225	10037	8361	15.1	24"
4000	422	7174	5975	11478	9562	17.1	24"
4500	472	8024	6683	12838	10695	18.8	24"
5000	522	8874	7391	14198	11828	20.5	24"
5500	573	9714	8114	15586	12984	21.5	26"
6000	624	10608	8836	16973	14140	21.5	26"
6500	674	11458	9544	18333	15273	23.5	26"
7000	739	12563	10464	20100	16745	23.5	29"
8000	839	14263	11880	22820	19011	24.1	29"
9000	940	15980	13310	25568	21310	26.3	29"
10000	1040	17680	14726	28288	23566	27.5	29"
11000	1145	19465	16213	31144	25946	30.	29"
12000	1245	21165	17629	33864	28212	30.	30"
13000	1362	23154	19286	37046	30862	34.	30"
14000	1462	24854	20702	39766	33128	34.	30"
15000	1564	26588	22146	42540	35400	36.5	30"
16000	1682	28594	23817	45750	38114	36.5	32"
17000	1787	30379	25302	48606	40493	39.	32"
18000	1887	32079	26720	51326	42759	39.	32"
20000	2087	35479	29552	56756	47291	42.	38"
23000	2314	39338	32766	62942	52435	45.	38"
25000	2520	42840	35682	68544	57102	45.	38"

SCOTCH LOW PRESSURE DRY BACK BOILERS

Horse Power	Heating Surface	STEAM GROSS E.D.R.	STEAM NET E.D.R.	WATER GROSS E.D.R.	WATER NET E.D.R.
20	200	3760	3133	6024	5020
25	251	4719	3933	7560	6300
30	300	5640	4700	9036	7530
40	400	7520	6266	12048	10040
50	500	9400	7833	15060	12550
60	600	11280	9400	18072	15060
70	700	13160	10966	21084	17570
80	800	15040	12532	24096	20080
100	1000	18800	15666	30120	25100
125	1250	23500	19583	37650	31375
150	1500	28200	23500	45180	37650
200	2000	37600	31333	60240	50200
250	2500	47000	39166	75300	62750

Ratings above are based on:
STEAM - 1 square foot heating surface equal to 18.8 square feet of gross radiation
1 " " " " " " 15.67 " " " net "
WATER - 1 " " " " " " 30.12 " " " gross "
1 " " " " " " 25.1 " " " net "

E. & O.E.

LOCOMOTIVE TYPE STANDARD "BROWNWELD" BOILERS

BOILER NUMBER	GROSS STEAM RATING	HEATING SURFACE SQ.FT.	GRATE AREA SQ.FT.	FIRE BOX HT.	FIRE BOX LGTH.	FIRE BOX WDTH.	DIAMETER STACK
202	1652	118	6.2	31"	30.5"	30"	14
204	2044	146	7.5	31"	36.5"	30"	14
206	2744	196	8.8	31"	42.5"	30"	14
208	3248	232	10	31"	48.5"	30"	14
210	3927	280.5	12	42"	48.5"	36"	24
212	4620	330	13.5	42"	54.5"	36"	24
214	5194	392.5	15	42"	60.5"	36"	24
216	5800	416	15.7	48"	58-7/8"	42"	26
218	6500	465	17.5	48"	64-7/8"	42"	26
220	7200	515	17.5	48"	64-7/8"	42"	26
222	7800	565	18.8	54"	59¼"	48"	26
223	8470	605	18.8	54"	59¼"	48"	26
224	8750	626	20.8	54"	59¼"	48"	26
226	9350	666	20.8	54"	59¼"	48"	26
228	10220	730	22.5	57"	60"	53¼"	28
230	12300	878	27	57"	72"	53¼"	28

NOTE:

Capacity of Water Boilers is 60% greater than rated capacity Steam Boilers.
Capacity increased 20% if Stoker, Oil or Gas fired.

Checked
1958

"BROWNWELD" LOCOMOTIVE HEATING BOILERS
SHBI Ratings in Sq. Ft. of Equivalent direct radiation

Size Number	Heating Surface Sq. Ft.	STEAM HAND FIRED GROSS	STEAM HAND FIRED NET	STEAM Stoker, Gas or Oil GROSS	STEAM Stoker, Gas or Oil NET	Grate Surface Sq. Ft.	Stack Diam.
204	150	2100	1749	2565	2124	7.5	14"
206	200	2800	2332	3420	2832	8.8	14"
208	250	3500	2915	4275	3540	10.	14"
210	300	4200	3498	5130	4248	12.	24"
212	350	4900	4081	5985	4966	13.5	24"
214	400	5600	4664	6840	5664	15.	24"
216	450	6300	5247	7695	6372	17.5	26"
218	500	7000	5830	8550	7080	17.5	26"
220	550	7700	6430	9405	7788	17.5	26"
222	600	8400	6996	10260	8496	18.8	26"
223	650	9100	7579	11115	9204	20.8	26"
224	700	9800	8162	11970	9912	20.8	26"
226	800	11200	9328	13680	11328	22.5	28"
228	900	12600	10490	15390	12744	27.	28"
230	1000	14000	11660	17100	14160	27.	30"
		HOT WATER		HOT WATER			
204	Same as above	3360	2799	4080	3399	Same as above	
206		4480	3732	5440	4532		
208		5600	4665	6800	5665		
210		6720	5598	8160	6798		
212		7840	6531	9520	7931		

(Continued next page)

Checked
1958

"BROWNWELD" LOCOMOTIVE HEATING BOILERS (continued)
SHBI Ratings in Sq. Ft. of Equivalent direct radiation

Size Number	Heating Surface Sq. Ft.	HOT WATER HAND FIRED GROSS	NET	HOT WATER Stoker, Gas or Oil GROSS	NET	Grate Surface Sq. Ft.	Stack Diam.
214	400	8960	7464	10880	9064	15.	24"
216	450	10080	8397	12240	10197	17.5	26"
218	500	11200	9330	13600	11330	17.5	26"
220	550	12432	10263	14960	12463	17.5	26"
222	600	13440	11196	16320	13596	18.8	26"
223	650	14560	12129	17680	14729	20.8	26"
224	700	15680	13062	19040	15862	20.8	26"
226	800	17920	14928	21760	18128	22.5	28"
228	900	20160	16794	24480	20394	27.	28"
230	1000	22400	18660	27200	22660	27.	30"

"BROWNWELD" HIGH FIRE BOX TYPE HEATING BOILERS
FOR BURNING LIGNITE

BOILER NUMBER	STEAM GROSS RATING	HTG. SUR-FACE SQ.FT.	GRATE AREA SQ. FT.	FIRE BOX HT.	LGTH.	WDTH.	HT. OF ASH PIT	DIAM. OF STACK
1160	1160	83	4.0	35	36	24	14	14
1300	1300	93	4.0	35	42	24	14	14
1440	1440	103	5.0	35	48	24	14	14
1580	1580	113	5.0	35	54	24	14	14
1720	1720	123	6.0	35	60	24	14	14
1860	1860	133	6.0	35	66	24	14	14
2000	2000	143	7.0	35	72	24	14	14
2140	2140	153	7.0	35	78	24	14	14
2460	2420	173	8.6	41	47	30	14	18
2860	2660	190	9.9	41	53	30	14	20
3480	3164	226	11.1	41	66	30	14	20
3800	3430	245	11.1	41	72	30	14	20
3900	3556	254	11.1	41	78	30	14	20
4340	4200	300	12.0	44	66	36	14	22
4700	4690	335	13.5	44	72	36	14	22
4928	4928	352	13.5	44	78	36	14	22
5620	5530	395	15.0	44	84	36	14	22
6250	6020	430	17.1	50	66	41½	14	24
6770	6580	470	18.8	50	72	41½	14	24
7350	7070	505	20.5	50	78	41½	14	26
8050	8050	575	20.5	50	90	41½	14	26
8650	8470	605	21.5	52	83	47½	14	26
10050	9730	695	23.5	52	97	47½	14	28
11300	11130	795	24.1	54	89	53¼	14	30
12600	12600	900	26.3	54	100	53¼	14	30

NOTE

Add 60% to rated capacity for Water Boilers.
Gross ratings based on 14 sq.ft. of radiation to one sq.ft. of heating surface.
Deduct 20% from gross rating to obtain net rating.

CLARE BROS.

THE "CRUSADER" ROUND HOT WATER BOILERS

BOILER NUMBER	NET RATINGS	DIAMETER OF GRATE	DEPTH OF FIRE POT	DEPTH OF ASH PIT	SMOKE PIPE
19-4	365	19"	20½"	15"	8"
19-5	420	19"	20½"	15"	8"
19-6	490	19"	20½"	15"	8"
22-4	500	22"	22"	15"	8"
22-5	575	22"	22"	15"	8"
22-6	650	22"	22"	15"	8"
24-4	675	24"	23"	14"	9"
24-5	775	24"	23"	14"	9"
24-6	820	24"	23"	14"	9"
28-4	825	28"	23"	13"	10"
28-5	950	28"	23"	13"	10"
28-6	1075	28"	23"	13"	10"

THE "PRESTON" BOILERS
(HOT WATER BOILERS)

BOILER NUMBER	GROSS DIRECT RATING SQUARE FEET	DIAMETER OF FIRE POT	DIAMETER OF SMOKE PIPE
18	250 to 350	18"	7"
21	300 to 500	21"	8"
25	500 to 800	24½"	8½"
28	800 to 1000	28"	8½"

THE "IMPERIAL" BOILERS
(HOT WATER BOILERS)

BOILER NUMBER	OLD CATALOGUE RATING	DIAMETER OF GRATE
211	540	21"
213	680	21"
241	750	24"
243	900	24"
281	1166	28"
283	1350	28"
PATENT VENTILATING HOT WATER BOILERS:		
18	350 sq.ft.	18"
21	500 sq.ft.	21"
24	650 sq.ft.	24"

NOTE:

The above data is all that is available from an old catalogue published by the Company.

COCKRAM GAS FIRED STEEL BOILER

Boiler Number	NET Rating E.D.R. Sq. Ft.	NET Rating BTU/HR	GROSS Output BTU/HR	Natural Gas Input BTU/HR	Smoke Outlet
GW 400	533	80,000	100,000	125,000	7"
GW 600	684	102,500	128,000	160,000	7"
GW 900	825	123,500	154,000	193,000	7"
GW 1200	1200	180,000	225,000	282,000	9"

COCKRAM OIL FIRED SERIES

Boiler Number	E.D.R. NET Rating Sq. Ft.	Smoke Outlet Diameter
OW 300	450	7"
OW 400	475	7"
OW 600	675	7"
OW 900	900	7"
OW 1200	1200	9"

COCKRAM TUBULAR BOILERS - WATER
OIL FIRED

Boiler Number	NET Rating Sq. Ft.	Output BTU/HR	Smoke Pipe	Nozzle Size G.P.H.
WO-0	360	54,000	6"	.75
WO-1	520	78,000	7"	1.
WO-2	630	94,500	7"	1.25
WO-3	850	127,500	9"	1.50
WO-4	1100	165,000	9"	1.75
WO-5	1260	187,500	9"	2.
400-P	400	60,000	6"	.75
475-P	475	71,200	7"	.75

GAS FIRED - NATURAL & MIXED GASES

Boiler	NET Output (to 3500')		Max. Input	Smoke
Number	Sq. Ft.	BTU/HR	BTU/HR	Pipe
WG-0-P	367	55,000	86,000	6"
WG-1-P	550	83,000	130,000	7"
WG-2-P	640	96,000	150,000	7"
WG-3-P	780	117,000	185,000	9"
400G-P	465	69,750	110,000	6"
475G-P	490	73,500	115,000	7"

CLEAVER-BROOKS

Cleaver-Brooks Co.
Milwaukee 12, Wis.

CLEAVER-BROOKS "PROGRESS" PACKAGED BOILER.

Boiler Number	BTU Output Gross MBH	EDR STEAM Gross Rating	EDR WATER Gross (150 Btu)	OIL G. P. H. (#2 CS1248)	Heating Surface Sq. Ft.
P-15	500	2085	3350	4.5	86
P-20	670	2790	4460	6.	111
P-25	835	3480	5570	7.5	144
P-30	1000	4170	6700	9.	162
P-40	1340	5580	8930	12.	220
P-50	1670	6970	11150	15.	266
P-60	2010	8370	13400	18.	324

Gas Consumption - Cu.Ft./hr.

Boiler Number	P-15	P-20	P-25	P-30	P-40	P-50	P-60
500 Btu Mfg. Gas	1260	1680	2100	2520	3360	4200	5040
800 Btu Mix. Gas	787	1050	1263	1575	2100	2620	3140
1000 Btu Nat. Gas	630	840	1050	1260	1680	2100	2520
Therms per hour	6.3	8.4	10.5	12.6	16.8	21.0	25.2

DEWEY-SHEPARD

Made by Dewey-Shepard Boiler Co.
303 N. Capitol Ave., Indianapolis, Ind.

DEWEY-SHEPARD OIL or GAS FIRED BOILERS

Model	WATER NET Sq.Ft.	STEAM NET Sq.Ft.	BTU/HR	Recovery G.P.H.	Heating Surface	Oil Firing Rate
B	560	350	105000	125	26.01	1.00
C	756	470	141750	155	30.22	1.35
D	840	520	157500	185	37.11	1.50
E	1120	700	210000	250	40.77	2.00
F	1400	875	262500	315	56.19	2.50
G	1540	965	315000	365	59.14	3.00
H	1960	1230	369500	440	75.89	3.50
I	2120	1330	420000	500	81.93	4.00
J	2750	1720	525000	630	102.86	5.00
K	3000	1895	630000	750	111.50	6.00
L	4900	3200	840000	1000	189.2	7-8
M	5960	3730	1120000	1300	224	10.00

(Now- American-Standard)

"DOMINION" COAL BURNING SQUARE BOILERS

Boiler Number	NET Rating
290	290 sq.ft.
365	365 sq.ft.
465	465 sq.ft.

"DOMINION" NO. 1 HOT WATER BOILERS

HAND FIRED Number	NET Rating Sq. Ft.	Grate Area Sq. Ft.	OIL FIRED Number	NET Rating Sq. Ft.	Firing Rate Gal/Hr.	Chimney Size Inches
W-112	270	1.11	WO-112	430	.85	8x8x20'
W-116	370	1.48	WO-116	570	1.05	8x8x20'
W-120	460	1.85	WO-120	715	1.25	8x8x25'
W-124	560	2.21	WO-124	855	1.50	8x8x30'

"NO. 1 DO RAD" JACKETED COAL BURNING BOILERS

BOILER NUMBER	NET RATINGS SQUARE FEET	APPROX. GRATE TO CROWN	GRATE AREA SQ. FEET	ASH PIT TO GRATE	SMOKE PIPE
1-W-5	375	21"	1.79	10"	9"
1-W-6	475	21"	2.25	10"	9"
1-W-7	575	21"	2.71	10"	9"
1-W-8	675	21"	3.17	10"	9"
1-W-9	775	21"	3.63	10"	9"
1-W-10	875	21"	4.09	10"	9"
1-W-11	975	21"	4.55	10"	9"

"NO. 1 DO RAD" DE LUXE MODEL COAL BURNING BOILERS

1-W-5	375	21"	1.79	10"	9"
1-W-6	475	21"	2.25	10"	9"
1-W-7	575	21"	2.71	10"	9"
1-W-8	675	21"	3.17	10"	9"
1-W-9	775	21"	3.63	10"	9"
1-W-10	875	21"	4.09	10"	9"
1-W-11	975	21"	4.55	10"	9"

"NO. 1 DO RAD" JACKETED OIL BURNING BOILERS

BOILER NUMBER	NET RATINGS SQUARE FEET	APPROX. GRATE TO CROWN	BOILER HEATING SURFACE SQ.FT.	ASH PIT TO GRATE	SMOKE PIPE
1-W-5-0	450	21"	21.9	10"	9"
1-W-6-0	550	21"	25.3	10"	9"
1-W-7-0	650	21"	30.0	10"	9"
1-W-8-0	735	21"	33.4	10"	9"
1-W-9-0	835	21"	38.0	10"	9"
1-W-10-0	915	21"	41.4	10"	9"
1-W-11-0	1015	21"	46.1	10"	9"

NOTE:

The above are the NEW NET RATINGS representing actual C.I. Radiation the boiler will carry provided that mains are not in excess of 25% of actual radiation load and that an addition to the net load be added for Domestic Coil equal to 3 sq.ft. for each gallon of domestic tank capacity.

(Now - American-Standard)

"NO. 2 DO RAD" COAL BURNING BOILERS - WATER OR STEAM

NOTE: Letter "W" Between numbers means WATER
Letter "S" Between numbers means STEAM

BOILER NUMBER	NET RATING WATER	NET RATING STEAM	GRATE AREA	LENGTH OVERALL	SIZE OF SMOKE PIPE
2--5	675	450	3.50	25	12"
2--6	875	575	4.39	30	12"
2--7	1075	700	5.28	35	12"
2--8	1275	825	6.17	40	12"
2--9	1475	950	7.06	45	12"
2--10	1675	1075	7.95	50	12"
2--11	1875	1200	8.84	55	12"
2--12	2075	1325	9.73	60	12"
2--13	2275	1450	10.62	65	12"

"NO. 2 DO RAD" OIL BURNING BOILERS - WATER OR STEAM

BOILER NUMBER	NET RATING WATER	NET RATING STEAM	GRATE AREA	LENGTH OVERALL	SIZE OF SMOKE PIPE
2-6-0	900	600	4.39	24½	12"
2-7-0	1100	725	5.28	29½	12"
2-8-0	1300	850	6.17	34½	12"
2-9-0	1500	975	7.06	32½	12"
2-10-0	1700	1100	7.95	44½	12"
2-11-0	1900	1225	8.84	49½	12"
2-12-0	2100	1350	9.73	54½	12"
2-13-0	2300	1475	10.62	59½	12"

"NO. 2 DO RAD" SMOKELESS STEAM & WATER BOILERS

BOILER NUMBER	NET RATING WATER	NET RATING STEAM	GRATE AREA	LENGTH OVERALL	SIZE OF SMOKE PIPE
2-8-S	1275	825	6.17	40	12"
2-9-S	1475	950	7.06	45	12"
2-10-S	1675	1075	7.95	50	12"
2-11-S	1875	1200	8.84	55	12"
2-12-S	2075	1325	9.73	60	12"
2-13-S	2275	1450	10.62	65	12"

NO. 2 REDFLASH COAL BURNING SQUARE BOILERS

BOILER NUMBER	NET RATING SQ.FT. WATER	NET RATING SQ.FT. STEAM	GRATE AREA	SMOKE PIPE
2-W-6 or 2-S-6	960	600	4.39	12"
2-W-7 or 2-S-7	1240	775	5.28	12"
2-W-8 or 2-S-8	1520	950	6.17	12"
2-W-9 or 2-S-9	1800	1125	7.06	12"
2-W-10 or 2-S-10	2080	1300	7.95	12"
2-W-11 or 2-S-11	2360	1475	8.84	12"
2-W-12 or 2-S-12	2640	1650	9.73	12"
2-W-13 or 2-S-13	2920	1825	10.62	12"

Rogers' BOILER DATA

(Now - American-Standard)

"SEVERN" HOT WATER & STEAM BOILERS

HAND FIRED (COAL)

Boiler Number		Installed Rad. Sq. Ft.		Grate Area	Depth of Ashpit	Chimney Size
Steam	Water	STEAM	WATER	Inches		Inches & Ft.
S-17	W-17	350	560	18x17	12¼"	8x8x30'
S-21	W-21	450	720	18x21	12¼"	8x8x30'
S-25	W-25	550	880	18x25	12¼"	8x12x35'
S-29	W-29	630	1010	18x29"	12¼"	8x12x35'
S-33	W-33	710	1140	18x33"	12¼"	8x12x40'
S-37	W-37	780	1250	18x37"	12¼"	12x12x43'

OIL & STOKER FIRED

Boiler Number		Inst. Rad. Sq. Ft.		Firing Rate		Chimney Size
Steam	Water	STEAM	WATER	Oil Gal/Hr	Coal lbs/hr	Inches & Ft.
S-17-0	W-17-0	400	730	1.5	16	8x8x 20'
S-21-0	W-21-0	500	840	1.7	19	8x8x25'
S-25-0	W-25-0	600	1010	1.9	21	8x8x25'
S-29-0	W-29-0	660	1110	2.2	24	8x12x25'
S-33-0	W-33-0	720	1255	2.5	27	8x12x30'
S-37-0	W-37-0	780	1375	2.8	31	8x12x30'

NOTE: Stoker Fired Boiler Numbers have suffix letters "ST" instead of "O"

"EXBROOK" HOT WATER & STEAM BOILERS

HAND FIRED (COAL)

Boiler Number		Rating - Sq. Ft.		Grate		Smoke	Chimney
Steam	Water	Steam	Water	Area	Length	Pipe	Size
-207	207	775	1240	29½x24-3/4"		12"	
SC-208	WC-208	950	1520	6.17	40	12"	12x12x40'
SC-209	WC-209	1125	1800	7.06	45	12"	12x16x40'
SC-2010	WC-2010	1300	2080	7.95	50	12"	12x16x45'
SC-2011	WC-2011	1475	2360	8.84	55	12"	12x16x45'
SC-2012	WC-2012	1650	2640	9.73	60	12"	12x16x45'
SC-2013	WC-2013	1825	2920	10.62	65	12"	12x16x45'

OIL OR STOKER FIRED

Boiler Number		Rating - Sq. Ft.		Area of Combustion		Smoke	Chimney
Steam	Water	Steam	Water	Chamber	Length	Pipe	Size
S-208	W-208	950	1520	34½x24-3/4"	40	12"	8x12x25'
S-209	W-209	1125	1800	39½x24-3/4"	45	12"	12x12x30'
S-2010	W-2010	1300	2080	44½x24-3/4"	50	12"	12x12x30'
S-2011	W-2011	1475	2360	49½x24-3/4"	55	12"	12x12x35'
S-2012	W-2012	1650	2640	54½x24-3/4"	60	12"	12x16x40'
S-2013	W-2013	1825	2920	59½x24-3/4"	65	12"	12x16x45'

Note: Floor to crown sheet - 43" Steam Boiler Water Line 58-1/4"

DOMINION - 30" - 36" - 40" SECTIONAL BOILERS (continued)

Boiler Number	NET Rating WATER Sq. Ft.	NET Rating STEAM Sq. Ft.	Grate Area Sq. Ft.	Firebox	Smoke Pipe
36-13	7100	4430	27.36		15"
40-5	2500	1650	8.72	40x32-3/4"	22"
40-6	3300	2100	10.97	40x41-1/4"	22"
40-7	4250	2675	13.22	40x49-3/4"	22"
40-8	5000	3125	15.47	40x58-1/4"	22"
40-9	5700	3550	17.70	40x66-5/8"	22"
40-10	6400	4000	17.70	40x66-5/8"	22"
40-11	7100	4430	17.70	40x66-5/8"	22"
40-12	7800	4875	17.70	40x66-5/8"	22"
40-13	8500	5300	19.92	40x75"	22"
40-14	9200	5750	19.92	40x75"	22"

"IDEAL" SECTIONAL BOILERS

Boiler Number	NET Rating WATER Sq. Ft.	NET Rating STEAM Sq. Ft.	Grate Area Sq. Ft.	Average Firepot	Smoke Pipe
19-5	600	360	3.32	4.00	9"
19-6	750	450	4.15	5.00	9"
19-7	900	540	4.98	6.00	9"
22-5	795	480	4.08	4.84	10"
22-6	1020	615	5.10	6.05	10"
22-7	1245	750	6.12	7.26	10"
25-5	1170	690	5.44	6.48	11"
25-6	1425	850	6.80	8.10	11"
25-7	1670	1000	8.16	9.72	11"
25-8	1925	1175	9.52	11.34	11"
28-5	1345	820	6.24	7.33	12"
28-6	1680	1030	7.80	9.16	12"
28-7	2015	1240	9.36	10.99	12"
28-8	2365	1450	10.92	12.83	12"
36-5	2730	1700	9.12	10.40	15"
36-6	3275	2050	11.40	13.00	15"
36-7	3810	2380	13.68	15.60	15"
36-8	4370	2730	15.96	18.20	15"
36-9	4935	3100	18.24	20.80	15"
36-10	5565	3450	20.52		15"
36-11	6090	3750	22.80		15"
36-12	6615	4000	25.08		15"
36-13	7100	4430	27.36		15"
4807	9600	6000	21.60	22.50	21"
4808	11200	7000	25.20	26.50	21"
4809	12160	7600	25.20	30.	21"
4810	13440	8400	28.80	33.75	21"
4811	14400	9000	28.80		21"
4812	15360	9600	28.80		21"
4813	16640	10400	28.80		21"
4814	17600	11000	28.80		21"

Gross Ratings
Published 1929

"IDEAL ARCO" ROUND STEAM BOILERS

Boiler Number	GROSS Rating	NET Rating	Grate Diameter	Smoke Pipe Diameter
4-19-S	300	180	19"	8"
5-19-S	350	210	19"	8"
6-19-S	400	240	19"	8"
4-22-S	450	270	22"	9"
5-22-S	525	300	22"	9"
6-22-S	575	330	22"	9"
4-25-S	550	340	25"	9"
5-25-S	625	380	25"	9"
6-25-S	700	420	25"	9"
4-28-S	800	480	28"	10"
5-28-S	900	540	28"	10"
6-28-S	1000	600	28"	10"
4-31-S	1100	660	31"	10"
5-31-S	1275	740	31"	10"
6-31-S	1400	800	31"	10"

NOTE: Gross Ratings above were published in 1929.
NET Ratings - publication date unknown.

Boiler Number	GROSS Rating	NET Rating	Grate Diameter	Smoke Pipe Diameter
4-34-S	1300	820	34"	11"
5-34-S	1500	910	34"	11"
6-34-S	1650	1000	34"	11"

"IDEAL ARCO" ROUND WATER BOILERS

Note: No. 1 Ratings below, published 1929
No. 2 Ratings below, date unknown.

Boiler Number	No. 1 Ratings NET	No. 1 Ratings Gross	No. 2 Net	Grate Diameter	Smoke Pipe
4-19-W	360	540	325	19"	8"
5-19-W	425	637	365	19"	8"
6-19-W	490	735	420	19"	8"
4-22-W	500	750	450	22"	9"
5-22-W	575	852	500	22"	9"
6-22-W	650	975	575	22"	9"
4-25-W	675	1012	600	25"	9"
5-25-W	750	1125	675	25"	9"
6-25-W	825	1237	775	25"	9"
4-28-W	825	1237	780	28"	10"
5-28-W	925	1387	825	28"	10"
6-28-W	1025	1537	950	28"	10"
4-31-W	1050	1575	1000	31"	10"
5-31-W	1250	1875	1100	31"	10"
6-31-W	1450	2175	1265	31"	10"
4-34-W	1450	2175	1350	34"	11"
5-34-W	1700	2550	1500	34"	11"
6-34-W	1950	2925	1725	34"	11"

"MOGUL" ROUND HOT WATER BOILERS

Note: No. 1. Ratings below, published 1929
No. 2 Ratings below, date unknown

Boiler Number	No. 1 Ratings GROSS	NET	No. 2 NET	Grate Diameter	Grate Area	Smoke Pipe
1	375	250	250	17"	1.50	7"
1½	450	300	300	17"	1.50	7"
2	550	365	365	19"	1.91	8"
2½	625	420	420	19"	1.91	8"
3	750	500	500	22"	2.58	9"
3½	875	585	575	22"	2.58	9"
4	1025	685	675	25"	3.34	10"
4½	1125	750	775	25"	3.34	10"
5	1250	835	825	28"	4.58	10"
5½	1400	935	950	28"	4.58	10"
6	1500	1000	1100	31"	5.15	11"
6½	1875	1250	1265	32½"	5.70	11"
7	2250	1500	1500	34"	6.20	11"
7½	2650	1765	1725	34"	6.20	11"
8	3000	2000	2000	37"	7.36	12"
8½	3450	2300	2300	37"	7.36	12"
9	4000	2665	2600	37"	7.36	12"

From "Domion
Fitter"

"MOGUL" ROUND HOT WATER BOILERS

Boiler Number	NET Rating	Grate Diameter	Grate Area	Firepot Depth	Smoke Outlet
1-M	235	17"	1.50	18"	7"
1½-M	270	17"	1.50	18"	7"
2-M	335	19"	1.91	18½"	8"
2½-M	400	19"	1.91	18½"	8"
3-M	500	22"	2.58	20"	9"
3½-M	570	22"	2.58	20"	9"
→ 4-M	670	25"	3.34	23"	10"
4½-M	750	25"	3.34	23"	10"
5-M	835	28"	4.58	24"	10"
5½-M	935	28"	4.58	24"	10"
6-M	1000	31"	5.15	25"	11"
6½-M	1250	32½"	5.70	25"	11"
7-M	1500	34"	6.20	25½"	11"
7½-M	1750	34"	6.20	25½"	11"
8-M	2000	37"	7.36	26"	12"
9-M	2667	...	....	....	12"

From "Dominion Fitter"

"SAFFORD" SQUARE POT SECT. BOILERS

Ratings below are Direct Radiation

STEAM Boiler Number	STEAM Rating Sq. Ft.	WATER Boiler Number	WATER Rating Sq. Ft.	Grate Size	Grate Area	Smoke Outlet
S370-3	800	370-3	1300	37x20"	5.14	9"
S371-3	1000	371-3	1650	37x23"	5.91	9"
S370-4	1200	370-4	2000	37x26"	6.68	10"
S371-4	1400	371-4	2325	37x30"	7.70	10"
S370-5	1600	370-5	2650	37x33"	8.48	10"
S371-5	1800	371-5	2975	37x36"	9.25	10"
S370-6	2000	370-6	3300	37x39"	10.	12"
S371-6	2200	371-6	3625	37x43"	12.04	12"
S370-7	2400	370-7	3950	37x46"	11.82	12"
S371-7	2600	371-7	4300	37x49"	12.59	12"
S370-8	2800	370-8	4625	37x52"	13.36	12"
S371-8	3000	371-8	4950	37x55"	14.13	12"
S370-9	3200	370-9	5275	37x59"	15.16	12"
S371-9	3400	371-9	5600	37x62"	15.93	12"
S370-10	3600	370-10	5950	37x65"	16.70	12"
S371-10	3800	371-10	6275	37x69"	17.73	12"
S370-11	4000	370-11	6600	37x71"	18.25	14"
S371-11	4200	371-11	6925	37x75"	19.27	14"
S370-12	4400	370-12	7250	37x78"	20.04	14"
S371-12	4600	371-12	7600	37x81"	20.81	14"
S370-13	4800	370-13	7925	37x84"	21.58	14"
S371-13	5000	371-13	8250	37x88"	22.61	14"
S370-14	5200	370-14	8575	37x91"	23.38	14"

"SAFFORD" ROUND STEAM BOILERS

Boiler Number	GROSS Rating	Grate Diameter	Smoke Outlet
4-19-S	300	19"	8"
5-19-S	350	19"	8"
6-19-S	400	19"	8"
4-22-S	450	22"	9"
5-22-S	525	22"	9"
6-22-S	575	22"	9"
4-25-S	550	25"	9"
5-25-S	625	25"	9"
6-25-S	700	25"	9"
4-28-S	800	28"	10"
5-28-S	900	28"	10"
6-28-S	1000	28"	10"
4-31-S	1100	31"	10"
5-31-S	1275	31"	10"
6-31-S	1400	31"	10"
4-34-S	1300	34"	11"
5-34-S	1500	34"	11"
6-34-S	1650	34"	11"

(Now - American-Standard)

STANDARD-DOMINION OIL FIRED SERIES "3" STEEL BOILERS

Boiler Number	NET EDR Rating Sq. Ft.	Height Firebox	Width Firebox	Length Firebox	Diameter Smoke Outlet
306	350	17-3/8"	13"	15-13/16"	8"
307	420	17-3/8"	13"	18-13/16"	8"
308	625	20-1/2"	18-3/4"	21-7/16"	8"
316	365	17-3/8"	13"	15-13/16"	8"
317	490	17-3/8"	13"	18-13/16"	8"
318	730	20-1/2"	18-3/4"	21-7/16"	8"
319	850	20-1/2"	18-3/4"	25-15/16"	8"

"SERIES 4" STEEL BOILERS (Oil Fired)

Boiler Number	NET EDR Rating Sq. Ft.	Height Firebox	Width Firebox	Length Firebox	Diam. Smoke Outlet	Burner Nozzle Size
409	920	19-3/4"	22"	18-1/4"	9"	1.5
410	1100	19-3/4"	22"	23-1/16"	9"	1.75
411	1270	19-3/4"	22"	28"	9"	2.0
412	1440	19-3/4"	22"	32-3/4"	9"	2.25

"SERIES 5" STEEL BOILERS
S.B.I. NET Ratings below

Boiler Number	STEAM Mech. Fired	STEAM Hand Fired	WATER Hand Fired	WATER BTU 1000's	WATER Mech. Fired	WATER BTU 1000's	Heating Surface Sq. Ft.
506	900	740	1180	216	1620	243	53
507	1100	910	1450	264	1980	297	65
508	1300	1080	1720	312	2340	351	77
509	1500	1230	1970	360	2700	405	88
510	1800	1480	2370	432	3240	486	106
511	2200	1810	2890	528	3960	594	129
512	2600	2140	3430	624	4680	702	153
513	3000	2480	3970	720	5400	810	177
514	3500	2880	4600	840	6300	945	206
515	4000	3300	5280	960	7200	1080	236
516	4500	3700	5920	1080	8100	1215	265
517	5000	4100	6560	1200	9000	1350	294

NOTE: Boiler ratings do not include allowance for heating domestic water by indirect coils.

FUEL BURNING RATE

Boiler No.	506	507	508	509	510	511	512	513	514	515	516	517
Oil Gal/Hr	3.0	3.7	4.3	5.0	6.0	7.3	8.7	10.	11.7	13.3	15.	16.7
Stoker lb/hr	36	44	52	60	72	88	104	120	140	160	180	200

From "Dominion Fitter"

"SAFFORD" MAGAZINE FEED DOWN DRAFT BOILER

STEAM Boiler Number	STEAM Rating Sq. Ft.	WATER Boiler Number	WATER Rating Sq. Ft.	Chimney Size
S-26-3	500	W-26-3	850	8"
S-26-4	750	W-26-4	1250	9"
S-26-5	1000	W-26-5	1650	9"
S-26-6	1250	W-26-6	2075	10"
S-26-7	1500	W-26-7	2500	12"
S-26-8	1750	W-26-8	2925	12"
S-26-9	2000	W-26-9	3350	12"
S-31-5	1800	W-31-5	3000	12"
S-31-6	2250	W-31-6	3750	12"
S-31-7	2700	W-31-7	4500	14"
S-31-8	3150	W-31-8	5250	14"
S-31-9	3600	W-31-9	6000	15"
S-31-10	4050	W-31-10	6750	15"
S-31-11	4500	W-31-11	7500	16"
S-47-5	3000	W-47-5	5000	14"
S-47-6	3750	W-47-6	6250	14"
S-47-7	4500	W-47-7	7500	16"
S-47-8	5250	W-47-8	8750	18"
S-47-9	6000	W-47-9	10000	18"
S-47-10	6750	W-47-10	11250	18"
S-47-11	7500	W-47-11	12500	20"
S-47-12	8250	W-47-12	13750	20"

SERIES 7 "ROYOIL" STEEL BOILERS

	GROSS RATING		NET RATING				
Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	STEAM Sq. Ft.	WATER Sq. Ft.	Heating Surface	Smoke Pipe	Furnace Volume
706	1120	1800	900	1440	53	10"	7.2
707	1370	2200	1100	1760	65	10"	8.4
708	1620	2600	1300	2080	77	10"	9.6
709	1880	3000	1500	2400	88	12"	10.9
710	2250	3600	1800	2880	106	12"	12.4
711	2680	4280	2200	3520	158	15"	20.9
712	3160	5050	2600	4160	186	15"	23.0
713	3650	5840	3000	4800	215	15"	25.5
714	4250	6800	3500	5600	250	18"	30.6
715	4860	7770	4000	6400	286	22"	42.0
716	5470	8750	4500	7200	322	22"	46.0
717	6080	9720	5000	8000	358	22"	50.0
718	7290	11660	6000	9600	429	22"	61.0

NOTE: Burner Openings - 7½" on all above sizes

(Now - American-Standard)

STANDARD-DOMINION "SERIES 6" STEEL BOILERS

Boiler Number	S. B. I. RATINGS WATER GROSS Mech. Fired	WATER NET Mech. Fired	STEAM GROSS Mech. Fired	STEAM NET Mech. Fired	Heating Surface Sq. Ft.	Furnace Volume Cu.Ft.	Stack Diameter
606	8650	7206	5406	4503	318	38.6	19"
607	10037	8361	6273	5225	369	45.0	20"
608	11478	9562	7174	5975	422	51.2	21"
609	14198	11826	8874	7391	522	63.5	22"
610	16973	14140	10608	8836	624	76.0	24"
611	20100	16745	12563	10464	739	90.0	26"
612	25568	21310	15980	13310	940	114.5	28"
613	28288	23562	17680	14726	1040	136.5	29"
614	33864	28206	21165	17629	1245	151.0	31"

Standard Sanitary
& Dominion Radiator Ltd.

DOMINION STEEL BOILERS - WATER

Boiler Number	Heating Surface Sq. Ft.	HAND FIRED GROSS Rating	HAND FIRED NET Rating	STOKER or OIL GROSS Rating	STOKER or OIL NET Rating	Smoke Pipe Diam.
24-42AW	57	1277	1064	1550	1292	12"
24-42BW	74	1658	1381	2013	1677	12"
24-48AW	90	2016	1679	2448	2040	12"
24-54AW	112	2509	2090	3046	2538	12"
30-66AW	138	3091	2575	3754	3128	15"
30-78AW	165	3696	3079	4483	3739	15"
30-84AW	190	4256	3545	5168	4306	15"
36-72AW	216	4838	4031	5875	4894	18"
36-78AW	242	5421	4516	6582	5484	18"
36-84AW	267	5981	4982	7262	6050	18"
36-90AW	292	6540	5449	7942	6617	18"
42-78AW	318	7123	5934	8650	7206	22"
42-84AW	369	8266	6886	10037	6500	22"
42-96AW	422	9453	7875	11478	9562	22"
54-90AW	472	10573	8808	12838	10695	26"
54-90BW	522	11693	9740	14198	11828	26"
54-02AW	57 3	12835	10692	15586	12984	26"
54-02BW	624	13977	11644	16973	14140	26"
54-14AW	674	15098	12577	18333	15273	26"
54-14BW	739	16554	13790	20100	16745	26"
60-14AW	839	18793	15656	22820	19011	28"
60-26AW	940	21056	17540	25568	21310	28"

Standard Sanitary
& Dominion Radiator Ltd.

DOMINION STEEL BOILERS - STEAM

Boiler Number	Heating Surface Sq. Ft.	HAND FIRED GROSS Rating	HAND FIRED NET Rating	STOKER OR OIL GROSS Rating	STOKER OR OIL NET Rating	Smoke Pipe Diam.
24-42AS	57	798	665	969	807	12"
24-48AS	74	1036	863	1258	1047	12"
24-54AS	90	1260	1049	1530	1275	12"
30-66AS	112	1568	1306	1904	1586	15"
30-72AS	138	1932	1609	2346	1954	15"
30-84AS	165	2310	1924	2805	2336	15"
36-72AS	190	2660	2215	3230	2690	18"
36-84AS	216	3024	2519	3672	3058	18"
36-90AS	242	3388	2822	4114	3427	18"
42-78AS	267	3738	3113	4539	3781	22"
42-84AS	292	4088	3405	4964	4135	22"
42-90AS	318	4452	3708	5406	4503	22"
42-96AS	369	5166	4303	6273	5225	22"
54-90AS	422	5908	4921	7174	5975	26"
54-96AS	472	6608	5504	8024	6683	26"
54-02AS	522	7308	6087	8874	7391	26"
54-14AS	573	8022	6681	9741	8114	26"
60-02AS	624	8736	7276	10608	8836	28"
60-08AS	674	9436	7859	11458	9544	28"
60-14AS	739	10346	8617	12563	10464	28"
60-26AS	839	11746	9782	14263	11880	28"
72-02AS	940	13160	10960	15980	13310	30"
72-14AS	1040	14560	12126	17680	14726	30"
72-26AS	1145	16030	13351	19465	16213	30"
72-38AS	1245	17430	14517	21165	17629	30"

(Now - American-Standard)

"18 SERIES" HIGH TEST HOT WATER SUPPLY HEATERS

Heater Number	Tank Capacity	Grate Area	Size of Firebox	Grate to Crown Sheet	Firebox Min. Width for Stoker
W18-4 HT 2	420	1.41	17x12-1/4"	23"	16-1/4"
W18-5 HT 2	580	1.91	17x16-1/2"	23"	16-1/4"
W18-6 HT 2	740	2.41	17x20-3/4"	23"	16-1/4"
W18-7 HT 2	900	2.91	17x25"	23"	16-1/4"
W18-8 HT 2	1050	3.41	17x29-1/4"	23"	16-1/4"
W18-9 HT 2	1200	3.91	17x33-1/2"	23"	16-1/4"
W18-10 HT 2	1360	4.41	17x37-3/4"	23"	16-1/4"
W18-11 HT 2	1510	4.91	17x42"	23"	16-1/4"
W18-12 HT 2	1660	5.41	17x46-1/4"	23"	16-1/4"

Note: Diameter of Smoke Pipe for all above - 9"
W18-11 and W18-12 is recommedded for mech. or forced draft firing. Strong draft is necessary if hand fired - due to long fire travel.

Standard Sanitary
& Dominion Radiator Ltd.

DOMINION STEEL BOILERS - STEAM

Boiler Number	Heating Surface Sq. Ft.	HAND FIRED GROSS Rating	HAND FIRED NET Rating	STOKER OR OIL GROSS Rating	STOKER OR OIL NET Rating	Smoke Pipe Diam.
24-42AS	57	798	665	969	807	12"
24-48AS	74	1036	863	1258	1047	12"
24-54AS	90	1260	1049	1530	1275	12"
30-66AS	112	1568	1306	1904	1586	15"
30-72AS	138	1932	1609	2346	1954	15"
30-84AS	165	2310	1924	2805	2336	15"
36-72AS	190	2660	2215	3230	2690	18"
36-84AS	216	3024	2519	3672	3058	18"
36-90AS	242	3388	2822	4114	3427	18"
42-78AS	267	3738	3113	4539	3781	22"
42-84AS	292	4088	3405	4964	4135	22"
42-90AS	318	4452	3708	5406	4503	22"
42-96AS	369	5166	4303	6273	5225	22"
54-90AS	422	5908	4921	7174	5975	26"
54-96AS	472	6608	5504	8024	6683	26"
54-02AS	522	7308	6087	8874	7391	26"
54-14AS	573	8022	6681	9741	8114	26"
60-02AS	624	8736	7276	10608	8836	28"
60-08AS	674	9436	7859	11458	9544	28"
60-14AS	739	10346	8617	12563	10464	28"
60-26AS	839	11746	9782	14263	11880	28"
72-02AS	940	13160	10960	15980	13310	30"
72-14AS	1040	14560	12126	17680	14726	30"
72-26AS	1145	16030	13351	19465	16213	30"
72-38AS	1245	17430	14517	21165	17629	30"

(Now - American-Standard)

"18 SERIES" HIGH TEST HOT WATER SUPPLY HEATERS

Heater Number	Tank Capacity	Grate Area	Size of Firebox	Grate to Crown Sheet	Firebox Min. Width for Stoker
W18-4 HT 2	420	1.41	17x12-1/4"	23"	16-1/4"
W18-5 HT 2	580	1.91	17x16-1/2"	23"	16-1/4"
W18-6 HT 2	740	2.41	17x20-3/4"	23"	16-1/4"
W18-7 HT 2	900	2.91	17x25"	23"	16-1/4"
W18-8 HT 2	1050	3.41	17x29-1/4"	23"	16-1/4"
W18-9 HT 2	1200	3.91	17x33-1/2"	23"	16-1/4"
W18-10 HT 2	1360	4.41	17x37-3/4"	23"	16-1/4"
W18-11 HT 2	1510	4.91	17x42"	23"	16-1/4"
W18-12 HT 2	1660	5.41	17x46-1/4"	23"	16-1/4"

Note: Diameter of Smoke Pipe for all above - 9"
W18-11 and W18-12 is recommedded for mech. or forced draft firing. Strong draft is necessary if hand fired - due to long fire travel.

(Now - American-Standard)

DOMINION 18 SQUARE BOILER - WATER

Boiler Number	NET Ratings Hand Fired	NET Ratings Oil or Stoker	Grate Area	Firebox Size
518	480	550	1.91	17x16½"
618	600	690	2.41	17x20¾"
718	720	830	2.91	17x25"
818	840	965	3.41	17x29¼"
918	960	1100	3.91	17x33½"
1018	1080	1190	4.41	17x37¾"
1118	1200	1320	4.91	17x42"
1218	1320	1450	5.41	19x46¼"

Smoke Pipe Dia. --- 9"

Grates to Crown Sheet 23"

Floor to top of Grates 11"

Size of Fire Door --- 14½x10"

DOMINION 25 SERIES BOILER - WATER & STEAM

Boiler Number	NET Rating WATER Sq. Ft.	NET Rating STEAM Sq. Ft.	NET Rating - OIL WATER Sq. Ft.	NET Rating - OIL STEAM Sq. Ft.	Grate Area	Firebox Size	Furnace Volume Cu.Ft.
25-6	930	580	955	605	3.20	23x20"	6.25
25-7	1160	725	1185	750	4.00	23x25"	7.81
25-8	1400	870	1415	895	4.80	23x30"	9.37
25-9	1620	1015	1645	1040	5.60	23x35"	10.93
25-10	1850	1155	1875	1180	6.40	23x40"	12.49
25-11	2080	1300	2105	1325	7.20	23x45"	14.05
25-12	2310	1445	2335	1470	8.00	23x50"	15.61
25-13	2540	1590	2565	1615	8.80	23x55"	17.17

Min. width for stoker or other appliances - 21" Fire Door size - 17x9"
Diameter of smoke pipe - 12" Grates to Crown Sheet --- 21½"

DOMINION - 30" - 36" - 40" - SECTIONAL BOILERS

Boiler Number	NET Rating WATER Sq. Ft.	NET Rating STEAM Sq. Ft.	Grate Area Sq. Ft.	Firebox	Smoke Pipe
30-5	1650	1020	6.10	28x33-1/8"	15½"
30-6	2040	1270	7.64	28x41-1/2"	15½"
30-7	2480	1550	9.20	28x49-7/8"	15½"
30-8	2910	1810	10.72	28x58-1/4"	15½"
30-9	3220	2020	12.26	28x55-5/8"	15½"
30-10	3680	2310	12.26	28x66-5/8"	15½"
30-11	4140	2600	12.26	28x66-5/8"	15½"
30-12	4600	2890	12.26	28x66-5/8"	15½"
36-5	2730	1700	9.12		15"
36-6	3275	2050	11.40		15"
36-7	3810	2380	13.68		15"
36-8	4370	2730	15.96		15"
36-9	4935	3100	18.24		15"
36-10	5565	3450	20.32		15"
36-11	6090	3750	22.80		15"
36-12	6615	4000	25.08		15"

DOMINION BRIDGE

LOW PRESSURE SERIES "LS & LW"

"LS" (STEAM) 15 PSI — "LW" (WATER) 30 PSI

Mechanical draft

Boiler Number	BTU/HR 1000s	EDR STEAM GROSS	EDR STEAM NET	EDR WATER GROSS	EDR WATER NET	Boiler H. P.	Heating Surface Sq. Ft.
22	1173	4883	4071	7816	6514	35	215
29	1675	6975	5815	11165	9305	50	285
43	2513	10463	8723	16748	13958	75	433
57	3350	13950	11630	22330	18610	100	570
71	4188	17438	14538	27913	23263	125	710
86	5025	20925	17445	33495	27915	150	860
100	5863	24413	20353	39078	32568	175	1000
111	6700	27900	23260	44660	37220	200	1110
135	8375	34875	29075	55825	46525	250	1350
158	10050	41850	34890	66990	55830	300	1580
205	13400	55800	46520	89320	74440	400	2050
250	16750	69750	58150	111650	93050	500	2500

FIRE QUEEN

Quality Utilities Ltd.

"FIRE QUEEN" WATER TUBE BOILERS
Type "C" - Coal or Oil

Size	NET Ratings Hand Fired	NET Ratings Mech. Fired	Heating Surface	H.P. Rating	Smoke Outlet
B	550	647	19.4	1.94	8"
C	668	785	25.3	2.53	8"
D	892	1050	31.4	3.14	8"
F	1850	2177	58.0	5.8	10"
G	2887	3400	93.0	9.3	12"

Foster Wheeler Ltd.
Bulletin BW 44

FOSTER WHEELER WELDED HEATING BOILERS

Size Number	GROSS S.H.B.I. RATINGS Hand Fired STEAM	 WATER	 Mechanically Fired STEAM	 WATER	Heating Surface Sq. Ft.	Smoke Box Inches	
36-45	1568	2509	1904	3046	112	8½	
36-50	1932	3041	2346	3754	138	8½	
36-55	2310	3696	2805	4488	165	11½	
39-50	2660	4256	3230	5168	190	11½	
39-55	3024	4838	3672	5875	216	11½	
39-60	3388	5421	4114	6582	242	11½	
42-60	3738	5981	4539	7262	267	11½	
42-65	4088	6540	4964	7942	292	11½	
42-70	4452	7123	5406	8650	318	11½	
48-70	5166	8266	6273	10037	369	11½	
48-80	5908	9453	7174	11478	422	11½	
54-75	6608	10573	8024	12838	472	12½	
54-80	7308	11693	8874	14198	522	12½	
60-75	8022	12835	....	15586	573	16	
60-85	8736	13977	10608	16973	624	16	
60-90	9436	15098	11458	18333	674	16	
60-95	10346	16554	12563	20100	739	16	
66-85	11746	18793	14263	22820	839	16	
72-85	13160	21056	15980	25568	940	18	
72-95	14560	23296	17680	28288	1040	18	
72-105	16030	25648	19465	31144	1145	18	
78-125	17430	27888	21165	32864	1245	18	
78-135	19068	30508	23154	37046	1362	18	
84-120	20468	32749	24854	39766	1462	18	
84-130	21896	35034	26588	42540	1564	18	
84-135	23548	37677	28594	45750	1682	18	Grate
Bulletin 37						Pipe	Surface
36-45	1400	2240	1700	2720	100	13	4.33
36-50	1750	2800	2125	3400	125	14	5.4
36-55	2100	3360	2550	4080	150	15	6.66
39-50	2450	3920	2975	4760	175	15	8.6
39-55	2800	4480	3400	5440	200	16	10.
39-60	3150	5040	3825	6120	225	16	10.
42-60	3500	5600	4250	6800	250	17	11.
42-65	3850	6160	4675	7480	275	18	12.
42-70	4200	6760	5100	8160	300	18	12.5
48-70	4900	7840	5950	9520	350	19	12.83
48-80	5600	8960	6800	10880	400	20	14.6
54-75	6300	10080	7650	12240	450	22	16.66
54-80	7000	11200	8500	13600	500	22	18.66
60-75	7700	12320	9350	14960	550	24	18.75
60-85	8400	13440	10200	16320	600	24	21.
60-90	9100	14560	11050	17680	650	26	23.25
60-95	9800	15680	11900	19040	700	26	23.25
66-85	11200	17920	13600	21760	800	26	28.33
72-85	12600	20160	15300	24480	900	30	31.16
72-95	14000	22400	17000	27200	1000	30	34.
72-105	15400	24640	18700	29920	1100	32	34.

GURNEY No. 1 SERIES SQUARE HOT WATER BOILERS

Boiler Number	WATER Hand Fired NET Rating	WATER Oil Fired NET Rating	Grate Area Sq. Ft.	Smoke Pipe
112	270	370	1.11	7"
116	370	460	1.48	7"
120	460	560	1.85	7"
124	560	660	2.21	7"

GURNEY "18 SERIES" JACKETED & UNJACKETED BOILERS

Boiler Number	WATER NET Rating	STEAM NET Rating	Grate Area	Firebox	Smoke Pipe
18-5	480	300	1.91	17x16½"	9"
18-6	600	375	2.41	17x20-3/4"	9"
18-7	720	450	2.91	17x25"	9"
18-8	840	525	3.41	17x29¼"	9"
18-9	960	600	3.91	17x33½"	9"
18-10	1080	675	4.41	17x37-3/4"	9"
18-11	1200	750	4.91	17x42"	9"
18-12	1320	825	5.41	17x46¼"	9"

Height from grate to bottom of 1st section ------ 22-5/8"

GURNEY "118 SERIES" ROUND HOT WATER BOILERS

Boiler Number	NET Rating	Grate Diameter	Firepot Depth	Ashpit Depth	Smoke Pipe
118-5	275	17½"	16-3/4"	13½"	7"
118-6	300	17½"	16-3/4"	13½"	7"
118-7	325	17½"	16-3/4"	13½"	7"

GURNEY "518 SERIES" BOILERS
(NET Ratings each)

Boiler	Hand Fired		Oil or Stoker		Grate	
Number	WATER	STEAM	WATER	STEAM	Area	Firebox
518	480	...	550	...	1.91	17x16½"
618	600	...	690	...	2.41	17x20-3/4"
718	720	450	830	540	2.91	17x25"
818	840	525	965	600	3.41	17x29¼"
918	960	600	1100	690	3.91	17x33½"
1018	1080	675	1190	745	4.41	17x37-3/4"
1118	1200	750	1320	825	4.91	17x42"
1218	1320	825	1450	910	5.41	19x46¼"

Smoke Pipe Diameter -- 9"
Grate to Crown Sheet ---- 23"

GURNEY
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"OXFORD" ROUND HOT WATER BOILERS

Boiler Number	Gross Ratings	Grate Diam.	Ashpit Height	Firepot Depth	Smoke Pipe Diameter
0-F	170	17¼"	12-3/4"	16¼"	7"
1-F	235	17¼"	12-3/4"	16¼"	7"
2-F	335	20¼"	13"	15½"	7"
3-F	500	22¼"	14¼"	15-3/4"	8"
4-F	670	25¼"	15¼"	17½"	8"
5-F	835	27¼"	15½"	17½"	10"
6-F	1000	29¼"	15-3/4"	17½"	10"
6½-C	1250	32¼"	17½"	20"	10"
7-B	1500	35¼"	17½"	19½"	11"
8-C	2000	37"	17½"	21½"	11"
√9-D	2667	38½"	18"	21"	11"
10-C	4000	42"	18"	22½"	12"

5-C-F

"OXFORD" ROUND STEAM BOILERS

Boiler Number	Gross Ratings	Grate Diam.	Ashpit Height	Firepot Depth	Smoke Pipe Diameter
00-F	200	17¼"			7"
10-F	250	17¼"			7"
20-F	350	20¼"			7"
30⅞F	450	22¼"			8"
40-F	550	25¼"			8"
50-F	700	27¼"			10"
60-F	900	29¼"			10"
60½-C	1000	32¼"			11½"
70-B	1275	35¼"			11½"

"GURNEY TROJAN" ROUND HOT WATER BOILERS

Boiler Number	NET Rating	Grate Diameter	Firepot Depth	Smoke Pipe
120-4-W	365	20"	24½"	8"
120-5-W	420	20"	24½"	8"
120-6-W	500	20"	24½"	8"
120-7-W	575	20"	24½"	8"
122-4-W	500	22"	24½"	9"
122-5-W	575	22"	24½"	9"
122-6-W	675	22"	24½"	9"
122-7-W	775	22"	24½"	9"
125-4-W	675	25"	25½"	9"
125-5-W	775	25"	25½"	9"
125-6-W	825	25"	25½"	9"
125-7-W	950	25"	25½"	9"
128-4-W	825	28"	26½"	10"
128-5-W	950	28"	26½"	10"
128-6-W	1100	28"	26½"	10"
128-7-W	1265	28"	26½"	10"
131-4-W	1100	31"	27½"	10"
131-5-W	1265	31"	27½"	10"
131-6-W	1500	31"	27½"	10"
131-7-W	1725	31"	27½"	10"

GURNEY No. 1 SERIES SQUARE HOT WATER BOILERS

Boiler Number	WATER Hand Fired NET Rating	WATER Oil Fired NET Rating	Grate Area Sq. Ft.	Smoke Pipe
112	270	370	1.11	7"
116	370	460	1.48	7"
120	460	560	1.85	7"
124	560	660	2.21	7"

GURNEY "18 SERIES" JACKETED & UNJACKETED BOILERS

Boiler Number	WATER NET Rating	STEAM NET Rating	Grate Area	Firebox	Smoke Pipe
18-5	480	300	1.91	17x16½"	9"
18-6	600	375	2.41	17x20-3/4"	9"
18-7	720	450	2.91	17x25"	9"
18-8	840	525	3.41	17x29¼"	9"
18-9	960	600	3.91	17x33½"	9"
18-10	1080	675	4.41	17x37-3/4"	9"
18-11	1200	750	4.91	17x42"	9"
18-12	1320	825	5.41	17x46¼"	9"

Height from grate to bottom of 1st section ------ 22-5/8"

GURNEY "118 SERIES" ROUND HOT WATER BOILERS

Boiler Number	NET Rating	Grate Diameter	Firepot Depth	Ashpit Depth	Smoke Pipe
118-5	275	17½"	16-3/4"	13½"	7"
118-6	300	17½"	16-3/4"	13½"	7"
118-7	325	17½"	16-3/4"	13½"	7"

GURNEY "518 SERIES" BOILERS

(NET Ratings each)

Boiler	Hand Fired		Oil or Stoker		Grate	
Number	WATER	STEAM	WATER	STEAM	Area	Firebox
518	480	...	550	...	1.91	17x16½"
618	600	...	690	...	2.41	17x20-3/4"
718	720	450	830	540	2.91	17x25"
818	840	525	965	600	3.41	17x29¼"
918	960	600	1100	690	3.91	17x33½"
1018	1080	675	1190	745	4.41	17x37-3/4"
1118	1200	750	1320	825	4.91	17x42"
1218	1320	825	1450	910	5.41	19x46¼"

Smoke Pipe Diameter -- 9"
Grate to Crown Sheet ---- 23"

"900 SERIES" & "917 SERIES" SECTIONAL BOILERS
(GROSS Ratings - make allowance for mains etc.)

Boiler Number	WATER Sq. Ft.	STEAM Sq. Ft.	Grate	Grate to Bottom Section	Smoke Pipe
914	1000	600	17x30"	18"	9"
915	1325	800	17x39"	18"	9"
916	1650	1000	17x48"	18"	9"
917	1975	1150	17x57"	18"	9"
"924A SERIES"					
924A	1825	1100	24x31"	19"	12"
925A	2225	1350	24x40"	19"	12"
926A	2650	1600	24x49"	19"	12"
927A	3050	1850	24x58"	19"	12"
"930 SERIES"					
935	2675	1625	30x37"	23"	12"
936	3200	1950	30x46"	23"	12"
937	3725	2275	30x54"	23"	12"
938	4450	2700	30x63"	23"	12"
"940 SERIES"					
945	4325	2625	42x37"	25½"	15"
946	5200	3150	42x46"	25½"	15"
947	6050	3675	42x55"	25½"	15"
948	6925	4200	42x64"	25½"	15"

1915-16 Years

GURNEY SQUARE SECTIONAL BOILERS

917 SERIES

STEAM Boiler Number	STEAM Gross Sq. Ft.	WATER Boiler Number	WATER Gross Sq. Ft.	Grate Size	Smoke Outlet	Flue Size
913S	300	913W	500	17x21"	9"	8x8"
914S	450	914W	750	17x30"	9"	8x8"
915S	600	915W	1000	17x39"	9"	8x12"
916S	750	916W	1250	17x48"	9"	8x12"
917S	900	917W	1500	17x57"	9"	8x12"
			924A SERIES			
924A	900	924A	1500	31x24"	10"	12x12"
925A	1100	925A	1800	40x24"	10"	12x12"
926A	1300	926A	2100	46x24"	10"	12x12"
927A	1500	927A	2400	58x24"	10"	12x12"
			930 SERIES			
935S	1600	935W	2600	30x37"	12"	12x12"
936S	1900	936W	3100	30x46"	12"	12x16"
937S	2200	937W	3600	30x54"	12"	12x16"
938S	2500	938W	4100	30x63"	12"	16x16"
939S	2800	939W	4600	30x72"	12"	16x16"
			940 SERIES			
945S	2500	945W	4000	42x37"	15"	16x16"
946S	3125	946W	5100	42x46"	15"	16x16"
947S	3750	947W	6200	42x55"	15"	16x16"
948S	4375	948W	7300	42x64"	15"	16x20"
949S	5000	949W	8400	42x73"	15"	16x20"

GURNEY "25 SERIES" NEW BRIGHT IDEA BOILERS
(NET Ratings)

Boiler Numbers OLD	NEW	Hand Fired WATER	STEAM	Oil Burning WATER	STEAM	Grate Area	Firebox
25-A	25-6	930	580	955	605	3.20	23x20"
25-B	25-7	1160	725	1185	750	4.00	23x25"
25-C	25-8	1390	870	1415	895	4.80	23x30"
25-D	25-9	1620	1015	1645	1040	5.60	23x35"
25-E	25-10	1850	1155	1875	1180	6.40	23x40"
25-F	25-11	2080	1300	2105	1325	7.20	23x45"
25-G	25-12	2310	1445	2335	1470	8.00	23x50"
25-H	25-13	2540	1590	2565	1615	8.80	23x55"

Diameter of Smoke Pipe -- 12"
Minimum width for stoker or other appliances -- 21"

"NEW BRIGHT IDEA" SECTIONAL BOILERS

Boiler Number	NET Rating Sq. Ft. WATER	STEAM	Grate Area Sq. Ft.	Firebox	Smoke Pipe
30-4	1220	760	4.55	28x24-3/4"	15½"
30-5	1650	1020	6.10	28x33-1/8"	15½"
30-6	2040	1270	7.64	28x41-1/2"	15½"
30-7	2480	1550	9.20	28x49-7/8"	15½"
30-8	2910	1810	10.72	28x58-1/4"	15½"
30-9	3220	2020	12.26	28x66-5/8"	15½"
30-10	3680	2310	12.26	28x66-5/8"	15½"
30-11	4140	2600	12.26	28x66-5/8"	15½"
30-12	4600	2890	12.26	28x66-5/8"	15½"
40-5	2500	1650	8.72	40x32-3/4"	22"
40-6	3300	2100	10.97	40x41-1/4"	22"
40-7	4250	2675	13.22	40x49-3/4"	22"
40-8	5000	3125	15.47	40x58-1/4"	22"
40-9	5700	3550	17.70	40x66-5/8"	22"
40-10	6400	4000	17.70	40x66-5/8"	22"
40-11	7100	4430	17.70	40x66-5/8"	22"
40-12	7800	4875	17.70	40x66-5/8"	22"
40-13	8500	5300	19.92	40x75"	22"
40-14	9200	5750	19.92	40x75"	22"

"BRIGHT IDEA" SECTIONAL BOILERS

Boiler Number	GROSS Rating WATER	STEAM	Grate Size	Smoke Pipe
1020	1650	1000	28x26"	12"
1021	2000	1250	28x32"	12"
1022	2400	1500	28x38"	12"
1023	2800	1750	28x44"	12"
1024	3200	2000	28x50"	12"
1025	3600	2250	28x56"	12"
1130	4000	2500	40x44"	14"
1131	4600	2800	40x50"	14"

(Continued
(on next page

"BRIGHT IDEA" SECTIONAL BOILERS (continued)

Boiler Number	GROSS Rating WATER	STEAM	Grate Size	Smoke Pipe
1132	5200	3200	40x56"	14"
1133	5800	3600	40x62"	14"
1250	6400	3900	48x51"	20"
1251	7300	4500	48x58"	20"
1252	8500	5300	48x65"	20"
1253	10000	6000	48x72"	20"
1254	11000	6800	48x72"	20"
1255	12500	7500	48x72"	20"

NOTE: On the 1200 series above there is one bridge wall section.

GURNEY "ROYOIL" BOILERS

WATER Boiler Number	Rating Gross Sq. Ft.	NET Sq. Ft.	NET Rating With Coil	Heating Surface	Smoke Pipe
224-30 R	640	510	450	21	10"
224-36 R	850	680	600	28	10"
224-42 R	1060	850	750	35	10"
228-48 R	1400	1120	910	47	10"
228-54 R	1650	1320	1100	56	10"
228-66 R	2200	1760	1490	74	12"
228-78 R	2700	2160	1830	92	12"
240-66 R	3800	3040	2600	130	15"
240-78 R	4950	3960	3495	169	15"
240-90 R	6200	4960	4410	212	18"
240-02 R	7400	5920	5290	252	18"

STEAM Boiler Number	Rating Gross Sq. Ft.	NET Sq. Ft.	Heating Surface	Water Line	Smoke Pipe
228-42 RS	710	570	38	43	10"
228-48 RS	870	700	47	43	10"
228-54 RS	1040	830	56	43	10"
228-66 RS	1370	1000	74	43	12"
228-78 RS	1700	1360	92	43	12"
240-66 RS	2400	1900	130	53	15"
240-78 RS	3100	2500	169	53	15"
240-90 RS	3900	3100	212	53	18"
240-02 RS	4600	3700	252	53	18"

GURNEY STEEL BOILERS

WATER

	Heating Surface		Ratings in Sq. Ft. of Radiation						
"AW"	Hand	Stoker	Hand Fired		Oil or Gas		Stoker Fired		Grate
No's	or Oil	Fired	Gross	NET	Gross	NET	Gross	NET	Area
24-42	65	74	1456	1213	1768	1473	2013	1677	3.3
24-48	80	90	1792	1493	2176	1813	2448	2040	4.1
24-54	100	112	2240	1866	2720	2266	3046	2538	4.9
30-66	125	138	2800	2333	3400	2833	3754	3128	5.2
30-78	150	165	3360	2799	4080	3399	4488	3739	8.
30-84	175	190	3920	3266	4760	3966	5168	4306	9.
36-72	200	216	4480	3732	5440	4532	5875	4894	9.4
36-78	225	242	5040	4199	6120	5099	6582	5484	10.6
36-84	250	267	5600	4665	6800	5665	7262	6050	11.9
36-90	275	292	6160	5132	7480	6232	7942	6617	13.2
42-78	300	318	6720	5598	8160	6798	8650	7206	11.5
42-84	350	369	7840	6531	9520	7931	10037	8361	13.
42-96	400	422	8960	7464	10880	9064	11478	9562	16.
54-90	450	472	10080	8397	12240	10197	12838	10695	17.3
54-90BW	500	522	11200	9330	13600	11330	14198	11828	17.3
54-02	550	573	12320	10263	14960	12463	15586	12984	21.2
54-02BW	600	624	13440	11196	16320	13596	16973	14140	21.2
54-14	650	674	14560	12129	17680	14729	18333	15273	25.
54-14BW	700	739	15680	13062	19040	15862	20100	16745	25.
60-14	800	839	17920	14928	21760	18128	22820	19011	29.
60-26	900	940	20160	16794	24480	20394	25581	21312	33.

STEAM

	Heating Surface		Ratings in Sq. Ft. of Radiation						
"AS"	Hand	Stoker	Hand Fired		Oil or Gas		Stoker Fired		Grate
No's	or Oil	Fired	Gross	NET	Gross	NET	Gross	NET	Area
24-42	50	57	700	583	850	708	969	807	3.3
24-48	65	74	910	758	1105	920	1258	1047	4.1
24-54	80	90	1120	933	1360	1133	1530	1275	4.9
30-66	100	112	1400	1166	1700	1416	1904	1586	5.2
30-72	125	138	1750	1458	2125	1770	2346	1954	7.1
30-84	150	165	2100	1749	2550	2124	2805	2336	9.0
36-72	175	190	2450	2041	2975	2478	3230	2690	9.4
36-84	200	216	2800	2332	3400	2832	3672	3058	11.9
36-90	225	242	3150	2624	3825	3186	4114	3427	13.2
42-78	250	267	3500	2915	4250	3540	4539	3781	11.5
42-84	275	292	3850	3207	4675	3894	4964	4135	13.0
42-90	300	318	4200	3498	5100	4248	5406	4503	14.5
42-96	350	369	4900	4081	5950	4956	6273	5225	16.0
54-90	400	422	5600	4664	6800	5664	7174	5975	17.3
54-96	450	472	6300	5247	7650	6372	8024	6683	19.2
54-02	500	522	7000	5830	8500	7080	8874	7391	21.2
54-14	550	573	7700	6413	9350	7788	9741	8114	25.0
60-02	600	624	8400	6996	10200	8496	10608	8836	25.0
60-08	650	674	9100	7579	11050	9204	11458	9544	27.0
60-14	700	739	9800	8162	11900	9912	12563	10464	29.0
60-26	800	839	11200	9328	13600	11328	14263	11880	33.0
72-02	900	940	12600	10494	15300	12744	15988	13317	31.0
72-14	1000	1040	14000	11660	17000	14160	17688	14733	35.5
72-26	1100	1145	15400	12826	18700	15576	19465	16213	40.0

Made by Hart & Crouse Co.
Utica, N.Y.

SMOKELESS WATER TUBE BOILERS

Boiler Size	Rating STEAM GROSS	Rating WATER GROSS	Smoke Pipe Diameter	Grate Area Sq. Ft.	Lower Fire Chamber	Upper Fire Chamber
247	900	1500	15"	6.25	24x24"	24x20"
248	1200	2000	15"	8.25	24x30"	24x26"
249	1500	2500	15"	12.32	24x36"	24x32"
250	1800	3000	15"	15.7	24x42"	24x38"
251	2100	3450	15"	16.32	24x48"	24x44"
338	2900	4600	18"	14.23	33x34"	33x31"
339	3200	5100	18"	17	33x40"	33x37"
340	3700	5900	18"	19.65	33x46"	33x43"
341	4100	6600	18"	22½	33x52"	33x49"
342	4400	7000	18"	22½	33x52"	33x49"
343	5100	8200	18"	25.1	33x58"	33x55"
344	5700	9100	18"	25.1	33x58"	33x55"
345	6100	9800	21"	28	33x64"	33x61"
346	6500	10400	21"	28	33x64"	33x61"
347	6800	10900	21"	28	33x64"	33x61"
409	5200	8300	21"	24	40x47"	40x45"
410	6100	9800	21"	27½	40x54"	40x52"
411	7100	11400	21"	31.66	40x61"	40x59"
412	7700	12300	21"	31.66	40x61"	40x59"
413	8200	13100	21"	31.66	40x61"	40x59"
414	9100	14600	24"	35.50	40x68"	40x66"
415	9700	15500	24"	35.50	40x68"	40x66"
416	10300	16500	24"	35.50	40x68"	40x66"
548	10700	17100	24"	37½	54x50"	54x50"
549	12000	19200	24"	45	54x60"	54x60"
550	13500	21600	24"	45	54x60"	54x60"
551	14900	23800	24"	45	54x60"	54x60"
552	16200	25900	24"	52½	54x70	54x70"
553	17600	28200	24"	52½	54x70"	54x70"
554	18600	29800	24"	52½	54x70"	54x70"
555	20000	32000	24"	52½	54x70"	54x70"
556	20900	33400	24"	52½	54x70"	54x70"
557	21700	34700	24"	52½	54x70"	54x70"
558	22500	36000	24"	52½	54x70"	54x70"

Height of Ashpit Boilers 247 to 347 - 15"   Boilers 409 to 558 - 13½"

E.& O.E.

Heggie-Simplex Boiler Co.
Joliet, Ill., USA
Bulletin - Dec. 14, 1929

HEGGIE-SIMPLEX SMOKELESS BOILERS

STEAM Boiler Number	STEAM Rating Sq. Ft.	WATER Boiler Number	WATER Rating Sq. Ft.	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	Stack Diameter
134-A	1690	234-A	2700	121	8.2	18"
134-C	2110	234-C	3380	151	10.3	18"
134-E	2530	234-E	4050	181	10.4	18"
140-A	3110	240-A	4980	222	12.1	20"
140-B	3500	240-B	5600	250	13.7	20"
140-D	4120	240-D	6590	294	13.7	20"
140-E	4510	240-E	7220	322	13.7	20"
147-A	5010	247-A	8020	358	14.7	22"
147-B	5490	247-B	8780	392	16.5	22"
147-C	5960	247-C	9540	426	16.5	22"
152-A	6500	252-A	10400	464	18.6	24"
152-B	7000	252-B	11200	500	18.6	24"
152-C	7520	252-C	12030	537	20.7	24"
152-D	8040	252-D	12860	574	20.7	24"
157-A	9100	257-A	14560	650	22.9	26"
157-C	10420	257-C	16670	744	22.9	26"
157-D	11070	257-D	17710	791	25.2	26"
163-A	12520	263-A	20030	894	25.5	28"
163-B	13360	263-B	21380	954	28.1	28"
163-C	14200	263-C	22720	1014	28.1	28"
163-D	15040	263-D	24060	1074	30.6	28"
170-A	16020	270-A	25630	1144	31.0	32"
170-B	17020	270-B	27230	1216	31.0	32"
170-C	18030	270-C	28850	1288	33.9	32"
178-A	20010	278-A	32020	1429	35.0	36"
178-C	22390	278-C	35820	1599	38.2	36"
184-A	25000	284-A	40000	1786	38.0	40"
184-C	28010	284-C	44820	2001	41.3	40"
184-E	31010	284-E	49620	2215	44.8	40"
184-G	34010	284-G	54420	2429	44.8	40"

HEGGIE-SIMPLEX DIRECT DRAFT BOILERS

STEAM Boiler Number	STEAM Rating Sq. Ft.	WATER Boiler Number	WATER Rating Sq. Ft.	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	Stack Diam.
334-A	1690	434-A	2700	121	8.2	18"
334-C	2110	434-C	3380	151	10.3	18"
334-E	2530	434-E	4050	181	10.4	18"
340-A	3110	440-A	4980	222	12.1	20"
340-B	3500	440-B	5600	250	13.7	20"
340-D	4120	440-D	6590	294	13.7	20"
340-E	4510	440-E	7220	322	13.7	20"
347-A	5010	447-A	8020	358	14.7	22"
347-B	5490	447-B	8780	392	16.5	22"
347-C	5960	447-C	9540	426	16.5	22"

(Continued next page)

Heggie-Simplex Boiler Co.
Joliet, Ill., USA
Bulletin - Dec. 14, 1929

HEGGIE-SIMPLEX DIRECT DRAFT BOILERS (continued)

STEAM Boiler Number	STEAM Rating Sq. Ft.	WATER Boiler Number	WATER Rating Sq. Ft.	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	Stack Diam.
352-A	6500	452-A	10400	464	18.6	24"
352-B	7000	452-B	11200	500	18.6	24"
352-C	7520	452-C	12030	537	20.7	24"
352-D	8040	452-D	12860	574	20.7	24"
357-A	9100	457-A	14560	650	22.9	26"
357-C	10420	457-C	16670	744	22.9	26"
357-D	11070	457-D	17710	791	25.2	26"
363-A	12520	463-A	20030	894	25.5	28"
363-B	13360	463-B	21380	954	28.1	28"
363-C	14200	463-C	22720	1014	28.1	28"
363-D	15040	463-D	24060	1074	30.6	28"
370-A	16020	470-A	25630	1144	31.0	32"
370-B	17020	470-B	27230	1216	31.0	32"
370-C	18030	470-C	28850	1288	33.9	32"
378-A	20010	478-A	32020	1429	35.0	36"
378-C	22390	478-C	35820	1599	38.2	36"
384-A	25000	484-A	40000	1786	38.0	40"
384-C	28010	484-C	44820	2001	41.3	40"
384-E	31010	484-E	49620	2215	44.8	40"
384-G	34010	484-G	54420	2429	44.8	40"

HEGGIE-SIMPLEX BOILERS FOR MECHANICAL FIRING

STEAM Boiler Number	STEAM Rating Sq. Ft.	WATER Boiler Number	WATER Rating Sq. Ft.	Heating Surface Sq. Ft.	Stack Diameter
734-A	2060	834-A	3300	121	18"
734-C	2570	834-C	4110	151	18"
734-E	3080	834-E	4930	181	18"
740-A	3770	840-A	6030	222	20"
740-B	4250	840-B	6800	250	20"
740-D	5000	840-D	8000	294	20"
740-E	5470	840-E	8750	322	20"
747-A	6090	847-A	9740	358	22"
747-B	6660	847-B	10660	392	22"
747-C	7240	847-C	11580	426	22"
752-A	7890	852-A	12620	464	24"
752-B	8500	852-B	13600	500	24"
752-C	9130	852-C	14610	537	24"
752-D	9760	852-D	15620	574	24"
757-A	11050	857-A	17680	650	26"
757-C	12650	857-C	20240	744	26"
757-D	13450	857-D	21520	791	26"
763-A	15200	863-A	24320	894	28"
763-B	16220	863-B	25950	954	28"
763-C	17240	863-C	27580	1014	28"
763-D	18260	863-D	29220	1074	28"

Heggie-Simplex Boiler Co.
Joliet, ILL, USA

HEGGIE-SIMPLEX BOILERS FOR MECHANICAL FIRING (continued)

STEAM Boiler Number	STEAM Rating Sq. Ft.	WATER Boiler Number	WATER Rating Sq. Ft.	Heating Surface Sq. Ft.	Stack Diameter
770-A	19450	870-A	31120	1144	32"
770-B	20670	870-B	33070	1216	32"
770-C	21900	870-C	35040	1288	32"
778-A	24290	878-A	38860	1429	36"
778-C	27180	878-C	43490	1599	36"
784-A	30360	884-A	48576	1786	40"
784-C	34020	884-C	54430	2001	40"
784-E	37660	884-E	60260	2215	40"
784-G	41290	884-G	66060	2429	40"

Catalog 31 - Jan. 1931

HIGH FIREBOX BOILERS - For Stoker Firing

STEAM Boiler Number	STEAM Rating Sq. Ft.	WATER Boiler Number	WATER Rating Sq. Ft.	Heating Surface Sq. Ft.	Furnace Volume Cu. Ft.	Length & Width Firebox
S34A	2060	W34A	3300	121	22.3	41x28-3/4"
S34C	2570	W34C	4110	151	27.9	53x28-3/4"
S34E	3080	W34E	4930	181	33.5	65x28-3/4"
S40A	3890	W40A	6220	229	40.7	53x33-3/4"
S40B	4390	W40B	7020	258	44.6	59x33-3/4"
S40D	5150	W40D	8240	303	52.3	71x33-3/4"
S40E	5630	W40E	9010	331	56.3	77x33-3/4"
S47A	6360	W47A	10180	374	74.9	71x40-3/4"
S47B	6940	W47B	11100	408	80.6	77x40-3/4"
S47C	7530	W47C	12050	443	86.3	83x40-3/4"
S52A	8160	W52A	13060	480	86.1	71x45-3/4"
S52B	8790	W52B	14060	517	92.5	77x45-3/4"
S52C	9440	W52C	15110	555	98.9	83x45-3/4"
S52D	10080	W52D	16130	593	105.3	89x45-3/4"
S57A	11370	W57A	18190	669	114.1	83x50-3/4"
S57C	12990	W57C	20780	764	129.0	95x50-3/4"
S57D	13800	W57D	22080	812	136.5	101x50-3/4"
S63A	15710	W63A	25140	924	157.0	88-3/4x56½"
S63B	16760	W63B	26820	986	166.6	94-3/4x56½"
S63C	17800	W63C	28480	1047	176.3	100-3/4x56½"
S63D	18840	W63D	30140	1108	185.9	106-3/4x56½"
S70A	20080	W70A	32130	1181	196.9	93-3/4x62½"
S70B	21320	W70B	34110	1254	208.5	99-3/4x62½"
S70C	22580	W70C	36130	1328	220.1	105-3/4x62½"
S78A	25080	W78A	40130	1475	246.8	93-3/4x70½"
S78C	28020	W78C	44830	1648	274.8	105-3/4x70½"
S84A	31480	W84A	50370	1852	317.8	99½x76-1/4"
S84C	35210	W84C	56340	2071	353.1	111½x76-1/4"
S84E	38930	W84E	62290	2290	388.4	123½x76-1/4"
S84G	42640	W84G	68220	2508	423.7	135½x76-1/4"

Heggie-Simplex Boiler Co.
Joliet, Ill., USA
Jan. 1931 Catalog

HEGGIE-SIMPLEX BOILERS FOR RESIDENCES

For Oil, Gas or Stoker Firing

STEAM Boiler Number	STEAM Rating Sq. Ft.	WATER Boiler Number	WATER Rating Sq. Ft.	Heating Surface Sq. Ft.	Furnace Volume Cu. Ft.	Stack Diam.
2SC1	540	2WC1	860	32	6.6	10"
2SC2	680	2WC2	1090	40	8.3	10"
2SC3	820	2WC3	1310	48	10.0	10"
2SC4	970	2WC4	1550	57	11.9	10"
2SC5	1160	2WC5	1860	68	14.3	12"
2SC6	1340	2WC6	2140	79	16.7	12"
2SC7	1580	2WC7	2530	93	18.7	12"
2SC8	1800	2WC8	2880	106	21.1	12"
2SC9	1970	2WC9	3150	116	24.3	14"
2SC10	2230	2WC10	3570	131	27.4	14"
		For Hard Coal or Coke			Grate Area	
2S1	370	2W1	590	32	2,6	10"
2S2	510	2W2	820	40	3.5	10"
2S3	670	2W3	1070	48	4.3	10"
2S4	800	2W4	1280	57	5.1	10"
2S5	950	2W5	1520	68	5.4	12"
2S6	1110	2W6	1780	79	6.0	12"
2S7	1300	2W7	2080	93	7.0	12"
2S8	1480	2W8	2370	106	7.8	12"
2S9	1620	2W9	2590	116	7.9	14"
2S10	1830	2W10	2930	131	9.0	14"

NOTE: Mech. Fired Boilers are equipped with 2 flues.

(Now - Anthes-Imperial Co. Ltd.)

"KING" ROUND HOT WATER BOILERS

Boiler Number	GROSS Rat. Sq. Ft.	Grate Diam.	Smoke Pipe
1	250	18"	8"
2	350	18"	8"
2½	400	18"	8"
3	500	20"	8"
3½	575	20"	8"
4	675	22"	8"
4½	750	22"	8"
5	850	25"	10"
5½	940	25"	10"
6	1000	28"	10"
6-A	1100	28"	10"
6½	1250	31"	12"
6½A	1350	31"	12"
7	1500	34"	12"
7½	1750	34"	12"
8	2000	38"	12"
8½	2300	38"	12"
9	2670	41"	12"
9½	3000	41"	12"

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"NEW KING" HOT WATER BOILERS

Boiler Number	NET Rating	Gross Rating	Smoke Pipe	Firepot Depth	Firepot Area	Grate Area
1	250	375	8"	16-3/4"	1.82	1.97
2	365	550	8"	16-3/4"	1.82	1.97
2½	420	625	8"	16-3/4"	1.82	1.97
2½B	420	625	8"	16-3/4"	2.23	2.46
3	500	750	8"	16-3/4"	2.23	2.46
3½	585	875	8"	16-3/4"	2.23	2.46
3½B	585	875	8"	17-1/4"	2.95	3.14
4	685	1025	8"	17-1/4"	2.95	3.14
4½	750	1125	8"	17-1/4"	2.95	3.14
4½B	750	1125	10"	18-1/2"	3.48	3.69
5	835	1250	10"	18-1/2"	3.48	3.69
5½	935	1400	10"	18-1/2"	3.48	3.69
5½B	935	1400	10"	18-1/2"	4.20	4.43
6	1000	1500	10"	18-1/2"	4.20	4.43
6A	1100	1650	10"	18-1/2"	4.20	4.43
6AB	1100	1650	12"	19-1/2"	5.	5.24
6½	1250	1875	12"	19-1/2"	5.	5.24
6½A	1350	2025	12"	19-1/2"	5.	5.24
6½AB	1350	2025	12"	19-1/2"	5.85	6.12
7	1500	2250	12"	19-1/2"	5.85	6.12
7½	1765	2650	12"	19-1/2"	5.85	6.12
7½B	1765	2650	12"	19-1/2	7.67	7.98
8	2000	3000	12"	19-1/2"	7.67	7.98
8½	2300	3450	12"	19-1/2"	7.67	7.98

E.& O.E.

Rogers' BOILER DATA

(Now - Anthes-Imperial Co. Ltd.)

"NEW KING" ROUND HOT WATER BOILERS

Boiler Number	NET Rating Sq. Ft.	Average Area Grate Sq.Ft.	Average Fire Pot Sq.Ft.	Firepot Depth	Smoke Pipe
2-C	250	1.97	1.82	16-3/4"	8"
2	365	1.97	1.82	16-3/4"	8"
2½	420	1.97	1.82	16-3/4"	8"
3-C	420	2.46	2.23	16-3/4"	8"
3	500	2.46	2.23	16-3/4"	8"
3½	585	2.46	2.23	16-3/4"	8"
4-C	585	3.14	2.95	17-1/4"	8"
4	685	3.14	2.95	17-1/4"	8"
4½	750	3.14	2.95	17-1/4"	8"
5-C	750	3.69	3.48	18-1/2"	10"
5	835	3.69	3.48	18-1/2"	10"
5½	925	3.69	3.48	18-1/2"	10"
6-C	935	4.43	4.20	18-3/4"	10"
6	1000	4.43	4.20	18-3/4"	10"
6-A	1100	4.43	4.20	18-3/4"	10"
6½-C	1100	5.24	5.00	19-1/2"	12"
6½	1250	5.24	5.00	19-1/2"	12"
6½-A	1350	5.24	5.00	19-1/2"	12"
7-C	1350	6.12	5.85	19-1/2"	12"
7	1500	6.12	5.85	19-1/2"	12"
7½	1765	6.12	5.85	19-1/2"	12"
8-C	1765	7.98	7.67	19-3/8"	12"
8	2000	7.98	7.67	19-3/8"	12"
8½	2300	7.98	7.67	19-3/8"	12"
9-C	2300	9.06	8.73	19-3/8"	12"
9	2665	9.06	8.73	19-3/8"	12"
9½	3000	9.06	8.73	19-3/8"	12"

NOTE: Catalog states: "New King" Boilers will carry the ratings shown above and mains in addition.

"NEW KING" ROUND HOT WATER BOILERS

Boiler Number	NET Ratings Sq. Ft.	"A" SERIES NET Ratings Sq. Ft.	Grate Diameter	Smoke Pipe
518	275	300	18"	8"
618	300	325	18"	8"
718	325	365	18"	8"
520	325	365	20"	8"
620	365	420	20"	8"
720	420	500	20"	8"
522	420	500	22"	8"
622	500	575	22"	8"
722	575	675	22"	8"
525	575	675	25"	10"
625	675	775	25"	10"
725	775	875	25"	10"

(Continued overleaf)

(Now - Anthes-Imperial Co. Ltd.)

"NEW KING" ROUND HOT WATER BOILERS (continued)

Boiler Number	NET Ratings Sq. Ft.	"A" SERIES NET Ratings Sq. Ft.	Grate Diameter	Smoke Pipe
528	775	850	28"	10"
628	825	950	28"	10"
728	950	1050	28"	10"
531	950	1100	31"	12"
631	1100	1200	31"	12"
731	1265	1365	31"	12"
534	1350	1350	34"	12"
634	1500	1500	34"	12"
734	1725	1725	34"	12"
538	1725	1725	38"	12"
638	2000	2000	38"	12"
738	2300	2300	38"	12"

Sanders
Plbg
JA-7-1660

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"NEW KING" ROUND STEAM BOILERS

Boiler Number	GROSS Rating	Firepot Depth	Firepot Area	Grate Area	Smoke Pipe
3-19-S	300	16-3/4"	1.82	1.97	8"
4-19-S	350	16-3/4"	1.82	1.97	8"
5-19-S	400	16-3/4"	1.82	1.97	8"
3-22-S	450	16-3/4"	2.23	2.46	9"
4-22-S	525	16-3/4"	2.23	2.46	9"
5-22-S	575	16-3/4"	2.23	2.46	9"
3-25-S	550	17-1/4"	2.95	3.14	9"
4-25-S	625	17-1/4"	2.95	3.14	9"
5-25-S	700	17-1/4"	2.95	3.14	9"
3-28-S	800	18-3/4"	4.20	4.43	10"
4-28-S	900	18-3/4"	4.20	4.43	10"
5-28-S	1000	18-3/4"	4.20	4.43	10"
3-31-S	1100	19-1/2"	5.	5.24	10"
4-31-S	1275	19-1/2"	5.	5.24	10"
5-31-S	1400	19-1/2"	5.	5.24	10"
3-34-S	1300	19-1/2"	5.85	6.12	11"
4-34-S	1500	19-1/2"	5.85	6.12	11"
5-34-S	1650	19-1/2"	5.85	6.12	11"

"ROYAL" ROUND STEAM BOILERS

Boiler Numbers - Gross Ratings - and - ALL other data same as "NEW KING" listed above.

IMPERIAL
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Rogers' BOILER DATA

(Now - Anthes-Imperial Co. Ltd.)

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"ROYAL" SQUARE SECTIONAL BOILERS

Boiler Number	GROSS Ratings STEAM	WATER	Grate Area	Firepot Area	Smoke Pipe
15-4	300	500	1.95	2.47	8"
15-5	425	700	2.60	3.30	8"
15-6	550	900	3.25	4.10	8"
19-5	600	1000	3.37	4.78	10"
19-6	750	1250	4.19	5.95	10"
19-7	900	1500	5.02	7.12	10"
25-5	1100	1850	4.95	6.13	12"
25-6	1350	2250	6.16	7.64	12"
25-7	1600	2650	7.38	9.15	12"
25-8	1850	3050	8.60	10.65	12"
36-5	2100	3450	9.38	11.77	16"
36-6	2650	4350	11.50	14.69	16"
36-7	3150	5200	13.75	17.61	16"
36-8	3700	6050	16.	20.54	16"
36-9	4200	6950	18.25	23.46	16"
48-6	5275	8700	17.84	22.38	20"
48-7	6300	10375	21.33	26.76	20"
48-8	7325	12050	24.84	31.17	20"
48-9	8350	13725	28.33	38.55	20"
48-10	9375	15400	31.83	39.94	20"

Date
→ Not Known

"ROYAL" SQUARE SECTIONAL BOILERS

Boiler Number	NET Ratings Sq.ft. WATER	STEAM	Grate Area	Firepot Dimensions	Smoke Pipe
19-5	600	360	3.37	19x26"	10"
19-6	750	450	4.19	19x32"	10"
19-7	900	540	5.02	19x38½"	10"
25-5	1425	850	4.95	25x28½"	12"
25-6	1670	1000	6.16	25x35½"	12"
25-7	1925	1175	7.38	25x42½"	12"
25-8	2175	1350	8.60	25x49½"	12"
30-5	2100	1250	6.86	30x31"	15"
30-6	2500	1500	8.55	30x38½"	15"
30-7	2900	1750	10.24	30x46"	15"
30-8	3300	2000	11.93	30x53½"	15"
30-9	3810	2380	13.62	30x61"	15"
30-10	4080	2550	15.31	30x68½"	15 "
30-11	4370	2730	17.	30x76"	15"
30-12	4660	2930	18.69	30x83½"	15"
36-5	2730	1700	9.38	36x35½"	16"
36-6	3275	2050	11.50	36x44"	16"
36-7	3810	2380	13.75	36x52½"	16"
36-8	4370	2730	16.	36x61"	16"
36-9	4935	3100	18.25	36x69½"	16"

sq ft
5290

(Continued overleaf)

sq ft
4935

"ROYAL" SQUARE SECTIONAL BOILERS (continued)

Boiler Number	NET Ratings Sq.Ft. WATER	STEAM	Grate Area	Firepot Dimensions	Smoke Pipe
36-10	5565	3450	20.50	36x78"	16"
36-11	6090	3750	22.75	36x86½"	16"
36-12	6615	4000	25.	36x95"	16"
36-13	7100	4430	27.25	36x103½"	16"
				Firepot Area	
48-6	6020	3165	17.84	22.38	20"
48-7	6225	3780	21.33	26.76	20"
48-8	7230	4396	24.84	31.17	20"
48-9	8235	5010	28.33	38.55	20"
48-10	9240	5625	31.83	39.94	20"

"ROYAL" SMOKELESS BOILERS

STEAM Boiler Number	WATER Boiler Number	STEAM Rating Sq. Ft.	WATER Rating Sq. Ft.	Grate Surface Sq. Ft.	Heating Surface Sq. Ft.	Smoke Pipe
S-338	W-338	4800	7900	14.23	179	18"
S-339	W-339	5400	8900	17.	200	18"
S-340	W-340	6000	9900	19.65	220	18"
S-341	W-341	6600	10900	22½	240	18"
S-342	W-342	7200	11900	22½	262	18"
S-343	W-343	7800	12900	25.1	283	18"
S-344	W-344	8600	14200	25.1	316	18"
S-345	W-345	9200	15200	28.	337	21"
S-346	W-346	10000	16500	28.	360	21"
S-347	W-347	11000	18150	28.	378	21"
S-409	W-409	9000	14850	24.	324	21"
S-410	W-410	10000	16500	27½	359	21"
S-411	W-411	11000	18150	31.66	394	21"
S-412	W-412	12000	19800	31.66	427	21"
S-413	W-413	13000	21450	31.66	461	21"
S-414	W-414	14000	23100	35.5	496	24"
S-415	W-415	15000	24750	35.5	531	24"
S-416	W-416	16000	26400	35.5	565	24"
S-548	W-548	14000	23100	37½	511	24"
S-549	W-549	15800	26070	45.	573	24"
S-550	W-550	17600	29040	45.	642	24"
S-551	W-551	19400	32010	45.	710	24"
S-552	W-552	21000	34650	52½	773	24"
S-553	W-553	23200	38280	52½	841	24"
S-554	W-554	25000	41250	52½	909	24"
S-555	W-555	26800	44220	52½	978	24"
S-556	W-556	28800	47520	52½	1046	24"
S-557	W-557	30800	50820	52½	1114	24"
S-558	W-558	32600	53790	52½	1133	24"

Note: All piping and direct radiation must be included in determining boiler capacity

(Now - Anthes-Imperial Co. Ltd.)

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"ROYAL" SMOKELESS BOILERS - DOWN DRAFT GRATE

Boiler Size	GROSS Rating Sq. Ft. STEAM	WATER	Grate Surface	Smoke Pipe Size
249	1500	2500	12.32	15"
250	1800	3000	15.7	15"
251	2100	3450	16.32	15"
338	2900	4600	14.23	18"
339	3200	5100	17.	18"
340	3700	5900	19.65	18"
341	4100	6600	22.5	18"
342	4400	7000	22.5	18"
343	5100	8200	25.1	18"
344	5700	9100	25.1	18"
345	6100	9800	28.	21"
346	6500	10400	28.	21"
347	6800	10900	28.	21"
409	5200	8300	24.	21"
410	6100	9800	27.5	21"
411	7100	11400	31.66	21"
412	7700	12300	31.66	21"
413	8200	13100	31.66	21"
414	9100	14600	35.50	24"
415	9700	15500	35.50	24"
416	10300	16500	35.50	24"
548	10700	17100	37.5	24"
549	12000	19200	45.	24"
550	13500	21600	45.	24"
551	14900	23800	45.	24"
552	16200	25900	52.5	24"
553	17600	28200	52.5	24"
554	18600	29800	52.5	24"
555	20000	32000	52.5	24"
556	20900	33400	52.5	24"
557	21700	34700	52.5	24"
558	22500	36000	52.5	24"

Bulletin No. 29

INGLIS SUPREME WELDED STEEL BOILERS - STEAM

CLASS "S"

Boiler Number	RADIATION GROSS	NET	Heating Surface	Grate Surface	Ashpit	Depth of Base
4	875	730	73	2.75	23x24"	12"
5	1020	850	85	3.5	23x24"	12"
6	1200	1000	97	4	23x30"	12"
7	1460	1220	116	4.5	29x30"	12"
8	1680	1400	130	5	29x30"	12"
9	2280	1900	174	7	32x42"	12"
10	2850	2375	215	8.25	32x48"	12"
11	3360	2800	248	9.5	34x48"	12"
12	4200	3500	297	11.25	34x54"	12"
13	4800	4000	344	12.25	40x48"	12"
14	5760	4800	400	12.75	40x54"	12"
15	6120	5100	418	13	45x48"	12"
16	6600	5500	445	13.25	45x48"	12"
17	7200	6000	490	15.25	45x54"	12"
18	7920	6600	540	16.5	51x54"	12"
19	9240	7700	626	19.2	51x60"	12"
20	9840	8200	669	20.5	51x66"	12"
21	11280	9400	765	21	56x60"	12"
22	12340	10700	871	22	56x66"	12"
23	13200	11000	891	25.25	62x66"	15"
24	15120	12600	1016	26.75	62x72"	15"
25	19860	16550	1324	32.75	74x72"	15"
26	22380	18650	1495	35	74x72"	15"
27	24960	20800	1666	38	74x78"	15"
28	27000	22500	1776	40	79x84"	18"
29	30000	25000	1972	42	79x84"	18"
30	33600	28000	2168	44	79x90"	18"
31	36840	30700	2364	48	79x96"	18"

NOTE: For Stoker Fired Boilbers ADD 20% to radiation.
For Oil or Gas Fired Boilers ADD 30% to radiation.

CLASS "W" ABOVE BOILERS - WATER

Boiler Number	RADIATION GROSS	NET	Heating Surface	Grate Surface	Ashpit	Depth of Base
4	1920	1600	100	4	23x30"	12"
5	2100	1750	110	4.5	23x30"	12"
6	2400	2000	120	5	23x36"	12"
7	2950	2464	144	5.5	29x36"	12"
8	3300	2750	162	6.2	29x36"	12"
9	4360	3640	205	8.5	32x48"	12"
10	5316	4430	245	10	32x54"	12"
11	7160	5970	320	11.5	34x54"	12"
12	8770	7310	377	13.75	34x60"	12"
13	9825	8190	420	15	40x54"	12"
14	11520	9600	490	15.5	40x60"	12"
15	12288	10240	520	16	45x54"	12"
16	12670	10560	540	16.2	45x54"	12"
17	13680	11400	592	18.75	45x60"	12"

(Continued next page)

Bulletin
No. 29
CLASS "W"

(Continuing) INGLIS SUPREME WELDED STEEL BOILERS - WATER

Boiler Number	RADIATION GROSS	RADIATION NET	Heating Surface	Grate Surface	Ashpit	Depth of Base
18	15650	13050	665	20.2	51x60"	12"
19	17760	14800	750	23.5	51x66"	12"
20	19580	16320	820	25	51x72"	12"
21	21420	17850	907	25.7	56x72"	12"
22	24480	20400	1030	27	56x78"	12"
23	25800	21500	1100	31	62x78"	15"
24	30720	25600	1270	33	62x84"	15"
25	36860	30720	1550	40	74x84"	15"
26	42240	35200	1725	43	74x84"	15"
27	46560	38800	1900	46.5	74x90"	15"
28	52440	43700	2100	50	79x96"	18"
29	57740	48120	2300	52	79x96"	18"
30	64000	53410	2550	54	79x102	18"
31	67560	56300	2700	58	79x108"	18"

NOTE: For Stoker Fired Boilers ADD 20% to radiation.
For Oil and Gas Fired Boilers ADD 30% to radiation.

CLASS "L" INGLIS SUPREME WELDED STEEL BOILERS - WATER

Boiler Number	RADIATION GROSS	RADIATION NET	Heating Surface	Grate Surface	Ashpit	Depth of Base
4	1390	1160	73	2.75	23x24"	12"
5	1630	1360	85	3.5	23x24"	12"
6	1920	1600	97	4	23x30"	12"
7	2340	1950	116	4.5	29x30"	12"
8	2680	2240	130	5	29x30"	12"
9	3640	3040	174	7	32x42"	12"
10	4560	3800	215	8.25	32x48"	12"
11	5370	4480	248	9.5	34x48"	12"
12	6720	5600	297	11.25	34x54"	12"
13	7680	6400	344	12.25	40x48"	12"
14	9210	7680	400	12.75	40x54"	12"
15	9790	8160	418	13	45x48"	12"
16	10560	8800	445	13.25	45x48"	12"
17	11520	9600	490	15.25	45x54"	12"
18	12670	10560	540	16.5	51x54"	12"
19	14780	12320	626	19.2	51x60"	12"
20	15740	13120	669	20.5	51x66"	12"
21	18040	15040	765	21	56x60"	12"
22	20540	17020	871	22	56x66"	12"
23	21120	17600	891	25.25	62x66"	15"
24	24190	20160	1016	26.75	62x72"	15"
25	31770	26480	1324	32.75	74x72"	15"
26	35800	29840	1495	35	74x72"	15"
27	39930	33280	1666	38	74x78"	15"
28	43200	36000	1776	40	79x84"	18"
29	48000	40000	1972	42	79x84"	18"
30	53760	44800	2163	44	79x90"	18"
31	58940	49120	2364	48	79x96"	18"

NOTE: For Stoker Fired Boilers ADD 20% to radiation
For Oil or Gas Fired Boilers ADD 30% to radiation.

INGLIS SUPREME STEEL HEATING BOILERS

Size No.	RADIATION Class S STEAM	RADIATION Class L WATER	Class W WATER	Heating Surface S & L Class	Heating Surface W Class	Grate Surface S&L Class	Grate Surface W Class	Smoke Pipe
4	600	950		60		2.75		9
5	750	1200		75		3.5		10
6	900	1400		90		4		12
7	1050	1650		105		4.5		12
8	1200	2000	2450	120	150	5	6.2	14
9	1600	2600	3170	157	194	7	8.5	14
10	2000	3100	3780	193	238	8.25	10	14
11	2500	3900	4750	245	306	9.5	11.5	16
12	3000	4800	5800	297	363	11.25	13.75	16
13	3400	5400	6550	337	412	12.25	15	18
14	3850	6100	7440	385	481	12.75	15.5	18
15	4200	6600	8050	406	507	13	16	20
16	4500	7300	8900	431	539	13.25	16.2	20
17	5000	8000	9750	467	583	15.25	18.75	20
18	5500	8900	10850	520	650	16.5	20.2	22
19	6600	10600	12950	609	744	19.2	23.5	22
20	7000	11200	13660	642	802	20.5	25	22
21	7500	12200	14880	718	898	21	25.7	24
22	8500	13500	16470	820	1025	22	27	24
23	10000	16000	19500	875	1093	25.25	31	28
24	12000	19000	23100	1000	1250	26.75	33	28
25	13500	22500	27500	1197	1495	32.75	40	30
26	15000	25000	30500	1340	1675	35	43	30
27	17500	29000	35300	1494	1824	38	46.5	30
28	19500	32500	39600	1598	1998	40	50	33
29	22500	36000	43900	1775	2219	42	52	33
30	25500	40000	48800	1950	2437	44	54	36
31	28000	44800	54600	2120	2585	48	58	36

NOTE: For Stoker Fired Boilers ADD 10% to radiation
For Oil Fired Boilers ADD 20% to radiation.

INGLIS BOILERS - BRICKSET TYPE

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Firebox Height	Sq. Ft. Heating Surface	Grate Area Sq.Ft.	Stack Diameter
1	900	1500	24x26"	35"	113	4.4	12"
2	1050	1700	24x32"	35"	131	5.4	12"
3	1200	2000	24x38"	35"	147	6.4	14"
4	1400	2300	30x32"	38"	180	6.8	14"
5	1700	2800	30x38"	38"	215	8.0	16"
6	2000	3300	30x44"	38"	250	9.3	16"
8	2600	4300	36x44"	41"	305	11.1	18"
9	3000	5000	36x50"	41"	350	12.6	20"
10	3500	5800	42x44"	44"	368	12.9	20"
11	4000	6600	42x50"	44"	420	14.7	22"
12	4500	7400	42x56"	44"	472	16.5	22"

(Continued next page)

(Continuing) INGLIS BOILERS - BRICKSET TYPE

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Firebox Height	Heating Surface Sq. Ft.	Grate Area Sq.Ft.	Stack Diameter
13	5500	9100	48x56"	49"	560	18.8	26"
14	6500	10700	48x62"	49"	673	20.8	26"
15	7500	12400	53x62"	54"	743	22.9	30"
16	8700	14400	53x68"	54"	873	25.1	30"
17	10000	16500	59x62"	59"	954	25.5	30"
18	11000	18200	59x68"	59"	1080	28.0	30"
19	12000	19800	65x68"	64"	1167	30.8	34"
20	14000	23100	65x74"	64"	1329	33.5	34"

INGLIS SMOKELESS BOILERS - BRICKSET

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Firebox Height	Sq. Ft. Heating Surface	Upper Grate Area	Stack Diameter
107	2600	4300	36x54"		297	8.6	20"
108	3100	5100	36x60"		345	10.1	20"
109	3600	5900	36x66"		393	11.4	22"
110	4000	6600	42x66"		425	11.8	22"
111	4700	7800	42x72"		480	13.2	24"
112	5500	9100	42x78"		535	15.0	24"
113	6500	10700	48x78"		628	17.1	28"
114	7500	12400	48x84"		741	19.1	28"
115	8500	14000	53x90"		839	21.1	32"
116	10000	16500	53x96"		973	23.3	32"
117	11500	19000	59x90"		1064	23.5	34"
118	13000	21500	59x96"		1194	25.9	34"
119	14000	23100	65x96"		1291	28.5	36"
120	16000	26400	65x102"		1456	31.3	36"

INGLIS SMOKELESS BOILERS - PORTABLE TYPE

307	3000	5000	36x54"	297	8.8	20"
308	3500	5800	36x60"	352	10.1	20"
309	4000	6600	36x66"	391	11.4	20"
310	4500	7400	42x72"	446	12.9	22"
311	5000	8300	42x78"	496	14.7	22"
312	5500	9100	42x84"	546	16.5	22"
313	6000	9900	48x78"	592	17.1	24"
314	6500	10700	48x84"	643	18.5	24"
315	7500	12400	53x90"	721	20.0	26"
316	8500	14000	53x96"	773	21.4	26"
317	10000	16500	59x90"	912	23.5	28"
318	12000	19800	59x96"	1053	25.9	30"
319	14000	23100	65x96"	1204	28.5	32"
320	16000	26400	65x102"	1316	29.9	32"
321	18000	29700	71x102"	1458	32.6	34"
322	20000	33000	71x108"	1549	34.6	34"

INGLIS BOILERS - PORTABLE TYPE

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Firebox Height	Heating Surface Sq. Ft.	Grate Area Sq.Ft.	Stack Diameter
407	2500	4100	36x38"	41½"	278	9.6	20"
408	2900	4800	36x44"	41½"	310	11.1	20"
409	3500	5800	36x50"	41½"	373	12.6	20"
410	4000	6600	42x44"	44"	416	12.9	22"
411	4500	7400	42x50"	44"	465	14.7	22"
412	5000	8300	42x56"	44"	515	16.5	22"
413	5500	9100	48x56"	49"	565	18.8	24"
414	6000	9900	48x62"	49"	626	20.8	24"
415	7000	11600	53x56"	49"	676	20.7	26"
416	8000	13200	53x62"	49"	778	22.9	26"
417	9500	15700	59x62"	52"	929	25.5	28"
418	11000	18200	59x68"	52"	1040	28.0	30"
419	13000	21500	65x68"	54½"	1168	30.8	32"
420	15000	24800	65x74"	54½"	1303	33.5	32"

INGLIS SUPREME CLASS "S" BOILERS - STEAM

S.H.B.I. Ratings in SQ.FT. of equivalent direct radiation

Note: Boiler Size is Sq. Ft. of Heating Surface

Boiler Size	WITHOUT Extended Water Leg				WITH Extended Water Leg				Grate Surface Sq. Ft.
	Hand Fired		Stoker, Gas or Oil		Hand Fired		Stoker, Gas or Oil		
	GROSS	NET	GROSS	NET	GROSS	NET	GROSS	NET	
S-65	910	758	1105	920	1036	863	1258	1047	4.31
S-80	1120	933	1360	1133	1260	1049	1530	1275	5.27
S-100	1400	1166	1700	1416	1568	1306	1904	1586	6.23
S-125	1750	1458	2125	1770	1932	1609	2346	1954	7.73
S-150	2100	1749	2550	2124	2310	1924	2805	2336	8.93
S-175	2450	2041	2975	2478	2660	2215	3230	2690	9.86
S-200	2800	2332	3400	2832	3024	2519	3672	3058	9.86
S-225	3150	2624	3825	3186	3388	2822	4114	3427	11.2
S-250	3500	2915	4250	3540	3738	3113	4539	3781	12.3
S-275	3850	3207	4675	3894	4088	3405	4964	4135	12.3
S-300	4200	3498	5100	4248	4452	3708	5406	4503	12.3
S-350	4900	4081	5950	4956	5166	4303	6273	5225	14.4
S-400	5600	4664	6800	5664	5908	4921	7174	5975	16.1
S-450	6300	5247	7650	6372	6608	5504	8024	6683	18.1
S-500	7000	5830	8500	7080	7308	6087	8874	7391	18.1
S-550	7700	6413	9350	7788	8022	6681	9741	8114	20.8
S-600	8400	6996	10200	8496	8736	7276	10608	8836	20.8
S-650	9100	7579	11050	9204	9436	7859	11458	9544	23.
S-700	9800	8162	11900	9912	10346	8617	12563	10464	23.
S-800	11200	9328	13600	11328	11746	9782	14263	11880	25.2
S-900	12600	10494	15300	12744	13160	10960	15980	13310	26.8
S-1000	14000	11660	17000	14160	14560	12126	17680	14726	26.8

(Continued next page)

INGLIS SUPREME CLASS "S" BOILERS - STEAM (continued)

Boiler Size	WITHOUT Extended Water Leg				WITH Extended Water Leg				Grate Surface Sq.Ft.
	Hand Fired		Stoker, Gas or Oil		Hand Fired		Stoker, Gas or Oil		
	GROSS	NET	GROSS	NET	GROSS	NET	GROSS	NET	
S-1100	15400	12826	18700	15576	16030	13351	19465	16213	29.4
S-1200	16800	13992	20400	16992	17430	14517	21165	17629	32.2
S-1300	18200	15158	22100	18408	19068	15881	23154	19286	32.2
S-1400	19600	16324	23800	19824	20468	17047	24854	20702	35.
S-1500	21000	17490	25500	21240	21896	18236	26588	22146	35.
S-1600	22400	18656	27200	22656	23548	19612	28594	23817	35.
S-1700	23800	19822	28900	24072	25018	20836	30379	25302	37.6
S-1800	25200	20988	30600	25488	26418	22002	32079	26720	37.6
S-2000	28000	23320	34000	28320	29218	24334	35479	29552	41.
S-2200	30800	25652	37400	31152	32396	26981	39338	32766	41.
S-2400	33600	27984	40800	33984	35280	29383	42840	35682	44.3

KEWANEE FIREBOX BOILERS
(Catalog 58 - June 1911)

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Firebox Height	Sq. Ft. Fire Surface	Grate Area Sq.Ft.	Smoke Pipe Diam.
00	500	800	19x20"	30"	70	2.25	12"
0	700	1100	19x26"	30"	93	3.30	12"
1	900	1400	24x26"	36"	120	4.3	16"
2	1000	1600	24x32"	36"	138	5.0	16"
3	1200	1900	24x38"	36"	154	6.33	16"
4	1400	2200	30x32"	41"	186	6.33	18"
5	1700	2700	30x38"	41"	222	8.0	18"
6	2100	3400	30x44"	41"	258	8.8	18"
7	2200	3500	36x38"	43"	259	9.5	20"
8	2500	4000	36x44"	43"	304	11.0	20"
9	2900	4600	36x50"	43"	348	12.5	20"
10	3200	5100	42x44"	47"	393	12.5	22"
11	3800	6100	42x50"	47"	448	14.5	22"
12	4400	7000	42x56"	47"	502	16.0	22"
13	4900	7800	48x56"	49"	548	18.6	24"
14	5800	9300	48x62"	49"	647	20.6	24"
15	7200	11500	54x62"	54"	809	23.3	30"
16	8500	13600	54x68"	54"	954	25.3	30"
17	9300	14800	60x62"	59"	1041	25.8	34"
18	10500	16800	60x68"	59"	1177	28.3	34"
19	11200	17900	66x68"	64"	1268	30.8	38"
20"	12800	20500	66x74"	64"	1442	33.8	38"

KEWANEE SMOKELESS FIREBOX BOILERS
(Catalog 58 - June 1911)

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Firebox Height	Grate Area Sq. Ft.	Smoke Pipe Diam.
104	1600	2600	30x45"	41"	5-2/3	18"
105	1900	3100	30x51"	41"	6-2/3	18"
106	2300	3700	30x57"	41"	8-1/3	18"
107	2500	4000	36x54"	43"	8-1/2	20"
108	2800	4500	36x60"	43"	10	20"
109	3300	5300	36x66"	43"	11-1/4	20"
110	3600	5800	42x66"	47"	11-1/2	22"
111	4300	7000	42x72"	47"	12-3/4	22"
112	5000	8000	42x78"	47"	14-3/4	22"
113	5600	9100	48x78"	49"	17	24"
114	6600	10700	48x84"	49"	19	24"
115	8200	13300	54x90"	54"	21	30"
116	9500	15500	54x96"	54"	23-1/2	30"
117	10000	16300	60x90"	59"	23-3/4	34"
118	12000	19500	60x96"	59"	26-1/4	34"
119	13000	21000	66x96"	64"	28-3/4	38"
120	15000	24400	66x102"	64"	31-1/4	38"

KEWANEE SMOKELESS BOILERS - BRICKSET TYPE
(Catalog 70 - May 1917)

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Heating Surface Sq. Ft.	Upper Grate Sq. Ft.	Diameter Breeching
104	1600	2600	30x45"	206	5.9	20"
105	2000	3300	30x51"	243	7.2	20"
106	2300	3800	30x57"	288	8.4	22"
107	2600	4300	36x54"	297	8.6	22"
108	3100	5100	36x60"	345	10.1	22"
109	3600	5900	36x66"	393	11.4	24"
110	4000	6600	42x66"	425	11.8	24"
111	4700	7800	42x72"	480	13.2	27"
112	5500	9100	42x78"	535	15.0	27"
113	6500	10700	48x78"	628	17.1	30"
114	7500	12400	48x84"	741	19.1	30"
115	8500	14000	53x90"	839	21.1	34"
116	10000	16500	53x96"	973	23.3	34"
117	11500	19000	59x90"	1064	23.5	36"
118	13000	21500	59x96"	1194	25.9	36"
119	14000	23100	65x96"	1291	28.5	38"
120	16000	26400	65x102"	1456	31.3	38"

KEWANEE BOILERS - BRICKSET TYPE
(Catalog 70 - May 1917)

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Height Firebox	Heating Surface Sq. Ft.	Grate Area	Breech Diam.
1	900	1500	24x26"	35"	113	4.4	12"
2	1050	1700	24x32"	35"	131	5.4	14"
3	1200	2000	24x38"	35"	147	6.4	16"
4	1400	2300	30x32"	38"	180	6.8	16"
5	1700	2800	30x38"	38"	215	8.0	18"
6	2000	3300	30x44"	38"	250	9.3	18"
7	2200	3600	36x38"	41"	259	9.6	20"
8	2600	4300	36x44"	41"	305	11.1	20"
9	3000	5000	36x50"	41"	350	12.6	22"
10	3500	5800	42x44"	44"	368	12.9	22"
11	4000	6600	42x50"	44"	420	14.7	24"
12	4500	7400	42x56"	44"	472	16.5	24"
13	5500	9100	48x56"	49"	560	18.8	28"
14	6500	10700	48x62"	49"	673	20.8	28"
15	7500	12400	53x62"	54"	743	22.9	32"
16	8700	14400	53x68"	54"	873	25.1	32"
17	10000	16500	59x62"	59"	954	25.5	32"
18	11000	18200	59x68"	59"	1080	28.0	32"
19	12000	19800	65x68"	64"	1167	30.8	36"
20	14000	23100	65x74"	64"	1329	33.5	36"

KEWANEE SMOKELESS BOILERS - PORTABLE TYPE
(Catalog 70 - May 1917)

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Heating Surface Sq. Ft.	Upper Grate Sq. Ft.	Diameter Breeching
304	2000	3300	30x48"	219	6.0	16"
305	2200	3600	30x51"	244	6.8	16"
306	2500	4100	30x57"	271	8.0	16"
307	3000	5000	36x54"	297	8.8	20"
308	3500	5800	36x60"	352	10.1	20"
309	4000	6600	36x66"	391	11.4	20"
310	4500	7400	42x72"	446	12.9	22"
311	5000	8300	42x78"	496	14.7	22"
312	5500	9100	42x84"	546	16.5	22"
313	6000	9900	48x78"	592	17.1	26"
314	6500	10700	48x84"	643	18.5	26"
315	7500	12400	53x90"	721	20.0	26"
316	8500	14000	53x96"	773	21.4	26"
317	10000	16500	59x90"	912	23.5	28"
318	12000	19800	59x96"	1053	25.9	28"
319	14000	23100	65x96"	1204	28.5	32"
320	16000	26400	65x102"	1316	29.9	32"
321	18000	29700	71x102"	1458	32.6	36"
322	20000	33000	71x108"	1549	34.6	36"

KEWANEE BOILERS - PORTABLE TYPE
(Catalog 70 - May 1917)

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Height Firebox	Heating Surface Sq. Ft.	Grate Area Sq.Ft.	Diam. Breech
401	950	1600	24x26"	35"	117	4.4	16"
402	1100	1800	24x32"	35"	127	5.4	16"
403	1250	2100	24x38"	35"	139	6.4	16"
404	1500	2500	30x32"	38"	182	6.8	16"
405	1800	3000	30x38"	38"	211	8.0	16"
406	2100	3500	30x44"	38"	240	9.3	16"
407	2500	4100	36x38"	41½"	278	9.6	20"
408	2900	4800	36x44"	41½"	310	11.1	20"
409	3500	5800	36x50"	41½"	373	12.6	20"
410	4000	6600	42x44"	44"	416	12.9	22"
411	4500	7400	42x50"	44"	465	14.7	22"
412	5000	8300	42x56"	44"	515	16.5	22"
413	5500	9100	48x56"	49"	565	18.8	26"
414	6000	9900	48x62"	49"	626	20.8	26"
415	7000	11600	53x56"	49"	676	20.7	26"
416	8000	13200	53x62"	49"	778	22.9	26"
417	9500	15700	59x62"	52"	929	25.5	28"
418	11000	18200	59x68"	52"	1040	28.0	28"
419	13000	21500	65x68"	54½"	1168	30.8	32"
420	15000	24800	65x74"	54½"	1303	33.5	32"

(DOMINION) KEWANEE SMOKELESS BOILERS - PORTABLE

(Catalog 78 - 1925) (Other sizes as on previous pages)

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Heating Surface Sq. Ft.	Upper Grate Sq. Ft.	Diam. Breeching
323	25000	40000	77x114"	2074	41.7	40"
324	30000	48000	77x120"	2629	44.8	42"

(DOMINION) KEWANEE BOILERS - PORTABLE)

(Catalog 78 - 1925) (Other sizes as on previous pages)

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Height Firebox	Heating Surface Sq. Ft.	Grate Area Sq.Ft.	Diam. Breech.
421	17500	28500	71x74"	55"	1514	36.6	36"
422	20000	32000	71x80"	55"	1711	39.6	36"
423	25000	40000	77x80"	58"	2209	42.9	40"
424	28000	45000	77x86"	58"	2427	46.1	42"

KEWANEE PORTABLE SMOKELESS BOILERS TYPE K

(Catalog 78 - 1925)

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Heating Surface Sq. Ft.	Upper Grate Sq. Ft.	Diameter Breeching
104K	1500	2450	30x45"	157	5.9	20"
105K	1900	3100	30x51"	185	7.2	20"
106K	2200	3600	30x57"	220	8.4	22"
107K	2500	4100	36x54"	234	8.6	22"
108K	2900	4800	36x60"	271	10.1	22"
109K	3400	5600	36x66"	308	11.4	24"
110K	3800	6300	42x66"	338	11.8	24"
111K	4400	7400	42x72"	381	13.2	27"
112K	5200	8600	42x78"	425	15.0	27"
113K	6200	10100	48x78"	500	17.1	30"
114K	7100	11800	48x84"	590	19.1	30"
115K	8100	13300	53x90"	677	21.1	34"
116K	9500	15700	53x96"	787	23.3	34"
117K	10900	18000	59x90"	879	23.5	36"
118K	12300	20400	59x96"	987	25.9	36"
119K	13300	21900	65x96"	1090	28.5	38"
120K	15200	25000	65x102"	1230	31.3	38"

KEWANEE PORTABLE BOILER TYPE K - STRAIGHT DRAFT

(Catalog 78 - 1925)

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Firebox	Height Firebox	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	Diameter Breeching
0K	600	1000	19x26"	30"	47	3.5	10"
1K	850	1400	24x26"	35"	83	4.4	12"
2K	1000	1600	24x32"	35"	93	5.4	14"
3K	1150	1900	24x38"	35"	104	6.4	16"
4K	1300	2200	30x32"	38"	139	6.8	16"

(Continued next page)

KEWANEE ELECTRIC WELD STEEL BOILER - TYPE "C"

Boiler Numbers		STEAM Capacity Sq. Ft.	Heating Surface Sq. Ft.	Grate Area	Firebox Length	Firebox Width	Firebox Height
749	2749	2300	164	9.1	43"	30"	26"
750	2750	2690	192	10.3	49"	30"	26"
751	2751	3250	232	11.	62"	30"	26"
752	2752	3630	262	11.6	70"	30"	26"
753	2753	4060	290	12.4	64"	36"	29"
754	2754	4550	325	13.9	72"	36"	29"
755	2755	5250	375	15.5	84"	36"	29"
756	2756	5950	425	18.	67"	42"	32"
757	2757	6470	462	19.7	73"	42"	32"
758	2758	7000	498	21.5	79"	42"	32"
759	2759	8280	591	22.4	83"	47½"	34"
760	2760	9610	686	24.3	97"	47½"	34"
761	2761	10850	775	24.7	89"	52½"	36"
762	2762	12110	865	26.9	100"	52½"	36"
763	2763	14300	1025	27.6	107"	58½"	38"
764	2764	16380	1170	30.1	122"	58½"	38"
765	2765	18660	1333	32.9	111"	64"	40"
766	2766	20750	1482	35.6	122"	64"	40"
767	2767	22520	1608	36.0	123"	70"	42"
768	2768	25530	1824	38.9	139"	70"	42"
769	2769	28780	2056	42.1	123"	76"	42"
770	2770	33070	2362	45.2	141	76"	42"

TYPE "R"

COAL BURNING		OIL BURNING					
Boiler Number	STEAM Rating	Boiler Number	STEAM Rating	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	Furnace Volume Cu. Ft.	Chimney
740	370	1740	450	49	2.6	6.8	12"x35'
741	510	1741	620	60	3.5	8.8	12"x35'
742	690	1742	840	71	4.4	10.8	12"x35'
743	920	1743	1120	82	5.3	12.7	12"x35'
745	1210	1745	1470	101	6.3	16.5	16"x40'
746	1560	1746	1900	114	7.3	19.0	16"x40'
747	1780	1747	2160	127	8.4	21.6	16"x40'
748	1960	1748	2380	140	9.4	24.2	16"x40'

Kresno-Stamm Mfg. Co. (Canada) Ltd.

KRESNO-STAMM "POWRMATIC" BOILER-BURNER UNITS

Model Number	NET RATINGS STEAM Sq. Ft.	NET RATINGS WATER Sq. Ft.	B.T.U. 1000s	Heating Surface Sq. Ft.	Furnace Volume	Firing Rate G.P.H.
V 32	320	510	77	19	2.9	.75-1.25
V 40	400	640	96	24	3.6	1-1.5
V 55	550	880	132	32	5.0	1.5
V 70	700	1120	168	41	6.4	2.0
V 90	900	1440	216	53	8.2	2.5
V 110	1100	1760	264	65	10.00	3.0

PACKAGED "POWRMATIC" - WATER

Model Number	NET Rating Sq. Ft.	NET BTU 1000s	Heating Surface Sq. Ft.	Firing Rate G.P.H.
V 32/P	510	77	19	1.00
V 40/P	640	96	24	1.25
V 55/P	880	132	32	1.65

LEONARD CALOR BOILERS - HAND FIRED

C.E.S.A. 15 lbs. W.P.

Boiler Number	STEAM GROSS	STEAM NET	WATER GROSS	WATER NET	Heating Surface Sq. Ft.	Grate Area Sq. Ft.
124	500	400	770	640	35	2.2
224	630	530	1000	830	45	2.8
126	900	750	1400	1200	63	3.2
226	1150	1000	1800	1500	81	4.8
		S.H.B.I. RADIATION				
130	1568	1306	2509	2090	112	5.5
230	1932	1609	3091	2575	138	5.5
361	2310	1924	3696	3079	165	6.2
362	2660	2215	4256	3545	190	8.1
363	3024	2519	4838	4031	216	8.1
420	3388	2822	5421	4516	242	9.7
421	3738	3113	5981	4982	267	9.7
422	4088	3405	6540	5449	292	12.0
423	4452	3708	7123	5934	318	14.2
481	5166	4303	8266	6886	369	14.5
482	5908	4921	9453	7875	422	17.0
483	6608	5504	10573	8808	472	19.6
541	7308	6087		9740	522	22.0
543	8022	6681	12835	10692	573	22.0
601	8736	7276	13977	11644	624	21.2
602	9436	7859	15098	12577	674	21.2
603	10346	9617	16554	13790	739	24.4
604	11746	9782	18793	15656	839	24.4
661	13160	10960	21056	17540	940	25.0
663	14560	12126	23296	19406	1040	28.8
721	16030	13351	25648	21366	1145	31.6
722	17430	14517	27888	23232	1245	31.6
723	19068	15881	30508	25415	1362	36.0
724	20468	17047	32749	27281	1462	36.0
781	21896	18236	35034	29184	1564	39.6
782	23548	19612	37677	31386	1682	39.6
783	25018	20836	40029	33345	1787	39.6
841	26418	22002	42268	35211	1887	42.2
842	29218	24334	46749	38943	2087	42.2
843	32396	26081	51834	43179	2314	48.0
844	35280	29383	56448	47023	2520	48.0
OIL - or - STOKER FIRED						
124	600	500	950	800	35	2.2
224	750	630	1220	1000	45	2.8
126	1100	925	1700	1425	63	3.2
226	1400	1175	2200	1825	81	4.8
					Furnace Volume C.FT.	
		S.H.B.I. RADIATION			Stoker	Oil
130	1904	1586	3046	2538	17	24
230	2346	1954	3754	3128	20	27
361	2805	2336	4488	3739	26	39
362	3230	2690	5168	4306	30	40

(For Heating Surface see same No. above)

(Continued)

LEONARD CALOR BOILERS - STOKER or OIL FIRED (Continued)
C.I.S. 15 lbs. W.P.

Boiler Number	STEAM GROSS	STEAM NET	WATER GROSS	WATER NET	Heating Surface Sq. Ft.	Furnace Volume Cu. Ft. Stoker	Oil
363	3672	3058	5875	4894	216	37	49
364	4114	3427	6582	5484	242	43	57
421	4539	3781	7262	6050	267	42	57
422	4964	4135	7942	6617	292	46	61
423	5406	4503	8650	7206	318	50	67
481	6273	5225	10037	8361	369	68	88
482	7174	5975	11478	9562	422	73	102
483	8024	6683	12838	10695	472	80	125
541	8874	7391	14198	11828	522	83	125
543	9741	8114	15586	12984	573	91	135
601	10608	8836	16973	14140	624	101	150
602	11458	9544	18333	15273	674	103	155
603	12563	10464	20100	16745	739	115	190
604	14263	11880	22820	19011	839	119	195
661	15980	13310	25568	21310	940	146	200
663	17680	14726	28288	23566	1040	162	235
721	19465	16213	31144	25946	1145	163	230
722	21165	17629	33864	28212	1245	170	270
723	23154	19286	37046	30862	1362	178	290
724	24854	20702	39760	33128	1462	211	355
781	26588	22146	42540	35400	1564	230	390
782	28594	23817	45750	38114	1682	249	420
783	30379	25302	48606	40493	1787	266	450
841	32078	26720	51326	42759	1887	271	525
842	35479	29552	56756	47291	2087	322	560
843	39338	32766	62942	52435	2314	353	590
844	42840	35682	68544	57102	2520	411	625

LEONARD PEERLESS BOILERS

Number & Heating Surface	HORSE POWER Hand Fired	Stoker (Developed)	Oil (Developed)	Grate Area	Firebox Height Hand	Stoker	Oil
100	10	15	15	5.5	30"	36"	36"
150	15	20	20	8.1	30"	36"	36"
200	20	25	25	8.1	30"	36"	36"
250	25	30	30	12.0	30"	36"	36"
300	30	35	35	14.2	30"	36"	36"
400	40	50	50	17.0	30"	36"	36"
500	50	60	60	21.2	33"	39"	39"
600	60	75	75	23.0	36"	42"	42"
700	70	85	85	24.4	36"	42"	42"
800	80	100	100	25.5	36"	45"	45"
900	90	115	115	28.8	36"	45"	45"
1000	100	125	125	36.0	36"	48"	48"
1250	125	150	150	36.0	36"	48"	48"
1500	150	185	185	39.6	36"	54"	54"

E.& O.E.

LEONARD PORTABLE SMOKELESS FIREBOX BOILERS

Boiler Number	STEAM Capacity Sq. Ft.	WATER Capacity Sq. Ft.	Heating Surface Sq. Ft.	Firebox Width	Firebox Length	Firebox Height	Upper Grate Area
307	3000	5000	325	43"	62"	46"	13.1
308	3500	5800	373	43"	62"	46"	13.1
309	4000	6600	416	43"	62"	46"	13.1
310	4500	7400	478	48"	72"	49"	16.
311	5000	8300	537	48"	72"	49"	16.
312	5500	9100	595	48"	72"	49"	16.
313	6000	9900	658	54"	78"	56"	21.
314	6500	107 00	726	54"	78"	56"	21.
315	7500	12400	776	54"	90"	56"	22.
316	8500	14000	848	54"	96"	56"	24.
317	10000	16500	977	60"	90"	51"	25.
318	12000	19800	1119	60"	96"	51"	27.
319	14000	23100	1189	66"	96"	56½"	30.
320	16000	26400	1316	66"	102"	56½"	33.
321	18000	29700	1458	72"	102"	60"	36.
322	20000	33000	1549	72"	108"	60"	38.

LEONARD PORTABLE FIREBOX BOILERS

							Grate
407	2500	4100	265	43"	44"	42½"	13.
408	2900	4800	319	43"	44"	42½"	13.
409	3500	5800	366	43"	44"	42½"	13.
410	4000	6600	456	48"	44"	49"	15.2
411	4500	7400	518	48"	44"	49"	15.2
412	5000	8300	573	48"	44"	49"	15.2
413	5500	9100	609	55"	62"	52"	23.6
414	6000	9900	670	55"	62"	52"	23.6
415	7000	11600	740	55"	62"	52"	23.6
416	8000	13200	815	55"	62"	52"	23.6
417	9500	15700	988	60"	68"	51½"	28.
418	11000	18200	1088	60"	68"	51½"	28.
419	13000	21500	1173	66"	68"	56½"	31.3
420	15000	24800	1297	66"	74"	56½"	34.

LEONARD BRICKSET FIREBOX BOILERS

1	900	1500	127	24-5/8"	32"	37"	5.3
2	1050	1700	137	24-5/8"	32"	37"	5.3
3	1200	2000	147	24-5/8"	32"	37"	5.3
4	1400	2300	176	30"	32"	38"	6.8
5	1700	2800	205	30"	32"	38"	6.8
6	2000	3300	234	30"	32"	38"	6.8
7	2200	3600	259	36"	44"	42"	11.1
8	2600	4300	300	36"	44"	42"	11.1
9	3000	5000	342	36"	44"	42"	11.1
10	3500	5800	399	42"	50"	44"	14.7
11	4000	6600	447	42"	50"	44"	14.7
12	4500	7400	495	42"	50"	44"	14.7
13	5500	9100	613	48"	62"	49"	20.8
14	6500	10700	726	48"	62"	49"	20.8

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LEONARD BRICKSET FIREBOX BOILERS - (Continued)

Boiler Number	STEAM Capacity Sq. Ft.	WATER Capacity Sq. Ft.	Heating Surface Sq. Ft.	Firebox Width	Firebox Length	Firebox Height	Grate Area
15	7500	12400	847	54"	62"	54"	23.0
16	8700	14400	989	54"	62"	54"	23.0
17	10000	16500	1087	60"	68"	59"	28.0
18	11000	18200	1222	60"	68"	59"	28.0
19	12000	19800	1294	66"	68"	64"	30.8
20	14000	23100	1424	66"	68"	64"	30.8

LEONARD SMOKELESS BRICKSET FIREBOX BOILERS

							Upper
104	1600	2600	230	31"	50"	36"	8.
105	2000	3300	265	31"	50"	36"	8.
106	2300	3800	304	31"	50"	36"	8.
107	2600	4300	306	36"	60"	41"	10.5
108	3100	5100	346	36"	60"	41"	10.5
109	3600	5900	386	36"	60"	41"	10.5
110	4000	6600	457	43"	70"	46"	13.7
111	4700	7800	505	43"	70"	46"	13.7
112	5500	9100	558	43"	70"	46"	13.7
113	6500	10700	621	48"	84"	49"	19.7
114	7500	12400	771	48"	84"	49"	19.7
115	8500	14000	935	54"	90"	52½"	22.7
116	10000	16500	1078	54"	90"	52½"	22.7
117	11500	19000	1143	60"	94"	61"	26.
118	13000	21500	1287	60"	94"	61"	26.
119	14000	23100	1439	66"	90"	63"	29.3
120	16000	26400	1609	66"	90"	63"	29.3

LEONARD POW PRESSURE STEAM HEATING BOILERS (Candn. Std. List)

Shell	Tubes	Heating Surface Sq. Ft.	Rating Sq. Ft.	Grates	Grate Area Sq. Ft.	Smoke Stack
36x10'	32-3"	305	1675	30x42"	8-3/4"	18"
36x12'	32-3"	365	2000	30x48"	10"	18"
42x12'	38-3"	434	2385	36x48"	12"	20"
42x14'	38-3"	504	2770	36x48"	12"	20"
48x12'	52-3"	578	3180	42x48"	14"	22"
48x14'	52-3"	672	3700	42x48"	14"	22"
54x12'	64-3"	704	3870	48x48"	16"	24"
54x14'	64-3"	818	4500	48x48"	16"	24"
60x12'	78-3"	849	4670	54x48"	18"	26"
60x14'	78-3"	987	5430	54x54"	20-1/4"	26"
60x16'	62-3½"	1055	5800	54x60"	22-1/2"	28"
66x14'	98-3"	1222	6620	60x54"	22-1/2"	30"
66x16'	78-3½"	1305	7060	60x60"	25"	30"
72x14'	114-3"	1410	7630	66x54"	24-3/4"	34"
72x16'	96-3½"	1588	8590	66x60"	27-1/2"	34"

Note: One sq. ft. of heating surface was said would supply from 5½ to 9 sq. ft. of direct cast iron radiating surface, or from 16 to 20 lineal feet of 1" pipe, dependening on construction and exposure of building.

LEONARD "ECLIPSE" SEMI-PORTABLE BOILERS

Horse-Power	Heating Surface Sq. Ft.	Grates		Grate Area Sq. Ft.	Stack Height	Stack Collar
		Width	Length			
10	137	24"	30"	5	20'	9x13"
12	161	24"	30"	5	20'	9x13"
15	204	28"	36"	6-3/4	25'	11x15"
20	260	28"	42"	7-3/4	25'	11x15"
25	305	30"	42"	8-3/4	30'	13x22"
30	365	30"	48"	10	30'	13x22"
35	434	36"	48"	12	35'	15x24"
45	504	36"	48"	12	35'	15x24"
50	535	42"	48"	14	40'	16x27"
55	584	42"	48"	14	40'	16x27"
60	628	48"	48"	16	40'	15x29"
65	730	48"	48"	16	40'	15x29"
70	774	54"	48"	18	40'	20x31"
80	899	54"	54"	20	50'	20x31"
90	937	54"	60"	22½	50'	20x31"
100	1156	60"	54"	22½	50'	24x35"
110	1217	60"	60"	25	50'	24x35"
120	1344	66"	54"	25	50'	26x39"
135	1471	66"	60"	27½	50'	26x39"
150	1555	66"	66"	30	60'	28x43"

SQUARE SECTIONAL JACKETED BOILERS - FOR COAL

STEAM Boiler Number	Output Rating	Installed Rating	WATER Boiler Number	Output Rating	Installed Rating	Grate Area Sq. Ft.	Grate	Chimney Size
			No. I SERIES					
53-S	500	220	53-W	800	340	1.5	17½x12"	8x8"
63-S	660	295	63-W	1040	465	2.	17½x16"	8x8"
74-S	820	370	74-W	1280	590	2.5	17½x20"	8x8"
84-S	980	445	84-W	1520	715	3.	17½x24"	8x12"
95-S	1140	520	95-W	1760	840	3.5	17½x28"	8x12"
105-S	1300	595	105-W	2000	965	4.	17½x32"	8x12"
116-S	1460	670	116-W	2240	1090	4.5	17½x36"	8x12"
126-S	1620	745	126-W	2480	1215	5.	17½x40"	8x12"
			No. 2 SERIES					
2-S-6	1330	625	2-W-6	2130	1000	4.01	21x27½"	12x12"
2-S-7	1565	775	2-W-7	2505	1240	4.74	21x32½"	12x12"
2-S-8	1800	925	2-W-8	2880	1480	5.47	21x37½"	12x12"
2-S-9	2035	1075	2-W-9	3255	1720	6.20	21x42½"	12x12"
2-S-10	2270	1225	2-W-10	3630	1960	6.93	21x47½"	12x16"
2-S-11	2505	1375	2-W-11	4005	2200	7.66	21x52½"	12x16"
			No. 3 SERIES					
3-S-6	2000	1000	3-W-6	3200	1600	5.86	27x31¼"	12x12"
3-S-7	2500	1250	3-W-7	4000	2000	6.98	27x37¼"	12x16"
3-S-8	3000	1500	3-W-8	4800	2400	8.11	27x43¼"	16x16"
3-S-9	3500	1750	3-W-9	5600	2800	9.23	27x49¼"	16x16"
3-S-10	4000	2000	3-W-10	6400	3200	10.34	27x55¼"	16x20"
3-S-11	4500	2250	3-W-11	7200	3600	11.48	27x61¼"	16x20"
3-S-12	5000	2500	3-W-12	8000	4000	12.61	27x67¼"	20x20"

Grate to Crown:	No. 1 Series 16"	No. 2 Series 17½"	No. 3 Series 19-3/4"
Height of Ashpit:	No. 1 Series 10"	No. 2 Series 13"	No. 3 Series 14"

Note: "Installed Radiation" is based on NET installed.

SMOKELESS SERIES SECTIONAL BOILERS

(Installed Rating is NET Ratings)

17 SERIES

STEAM Boiler Number	STEAM Rating Output Sq. Ft.	STEAM Rating Installed Sq. Ft.	WATER Boiler Number	WATER Rating Output Sq. Ft.	WATER Rating Installed Sq. Ft.	Grate Area SQ.FT.	Grate Size	Chimney Size
S531S	500	220	S531W	800	340	1.5	17½x12"	8x8"
S631S	660	295	S631W	1040	465	2.	17½x16"	8x8"
S741S	820	370	S741W	1280	590	2.5	17½x20"	8x8"
S841S	980	445	S841W	1520	715	3.	17½x24"	8x12"
S951S	1140	520	S951W	1760	840	3.5	17½x28"	8x12"
S1051S	1300	595	S1051W	2000	965	4.	17½x32"	8x12"
S116 1S	1460	670	S1161W	2240	1090	4.5	17½x36"	8x12"
S1261S	1620	745	S1261W	2480	1215	5.	17½x40"	8x12"
			21 SERIES					
S2106S	1330	625	S2106W	2130	1000	4.01	21x27½"	12x12"
S2107S	1565	775	S2107W	2505	1240	4.74	21x32½"	12x12"
S2108S	1800	925	S2108W	2880	1480	5.47	21x37½"	12x12"
S2109S	2035	1075	S2109W	3255	1720	6.20	21x42½"	12x12"
S2110S	2270	1225	S2110W	3630	1960	6.93	21x47½"	12x16"
S2111S	2505	1375	S2111W	4005	2200	7.66	21x52½"	12x16"
			27 SERIES					
S2706S	2000	1000	S2706W	3200	1600	5.86	27x31¼"	12x12"
S2707S	2500	1250	S2707W	4000	2000	6.98	27x37¼"	12x16"
S2708S	3000	1500	S2708W	4800	2400	8.11	27x43¼"	16x16"
S2709S	3500	1750	S2709W	5600	2800	9.23	27x49¼"	16x16"
S2710S	4000	2000	S2710W	6400	3200	10.34	27x55¼"	16x20"
S2711S	4500	2250	S2711W	7200	3600	11.48	27x61¼"	16x20"
S2712S	5000	2500	S2712W	8000	4000	12.61	27x67¼"	20x20"
			36 SERIES					
S3606S	3200	1500	S3606W	5120	2400	8.13	36x32½"	16x20"
S3607S	3850	1880	S3607W	6160	3010	9.63	36x38½"	16x20"
S3608S	4500	2260	S3608W	7200	3610	11.13	36x44½"	20x20"
S3609S	5150	2640	S3609W	8240	4220	12.63	36x50½"	20x20"
S3610S	5800	3020	S3610W	9280	4830	14.13	36x56½"	20x20"
S3611S	6450	3400	S3611W	10320	5440	15.63	36x62½"	20x20"
S3612S	7100	3780	S3612W	11360	6050	17.13	36x68½"	20x24"
S3613S	7750	4160	S3613W	12400	6660	18.53	36x74½"	24x24"
S3614S	8400	4540	S3614W	13440	7270	20.13	36x80½"	24x24"
S3615S	9050	4920	S3615W	14480	7880	21.63	36x86½"	24x24"

	17-Series	21-Series	27-Series	36-Series
Grate to Crown:	16"	17½"	19-3/4"	23½"
Ashpit Height :	10"	13"	14"	14"

SQUARE SECTIONAL BOILERS

Note: Steam Boilers has "S" prefix to numbers; Water Boilers prefix "W"

Boiler Number	STEAM Rating NET	WATER Rating NET	Average Firepot	Grate area Sq. Ft.	Grate Size	Smoke Pipe
18-4	520	800	24x24"	3.	18x24"	9"
18-5	660	1040	24x31½"	3.94	18x31½"	9"
18-6	800	1280	24x39"	4.38	18x39"	9"
18-7	950	1520	24x46½"	5.81	18x46½"	9"
24-5	910	1440	30x31"	5.17	24x31"	12"
24-6	1140	1800	30x38½"	6.42	24x38½"	12"
24-7	1370	2175	30x46"	7.67	24x46"	12"
24-8	1600	2540	30x53½"	8.92	24x53½"	12"
30-5	1250	2000	36x31"	6.46	30x31"	14"
30-6	1580	2500	36x38½"	8.02	30x38½"	14"
30-7	1900	3050	36x46"	9.58	30x46"	14"
30-8	2340	3580	36x53½"	11.15	30x53½"	14"
30-9	2570	4100	36x61"	12.71	30x61"	14"
36-6	2000	3200	41x39½"	9.88	36x38½"	16"
36-7	2400	3850	41x47"	11.75	36x47"	16"
36-8	2800	4500	41x54½"	13.63	36x54½"	16"
36-9	3200	5150	41x62"	15.50	36x62"	16"
36-10	3600	5800	41x69½"	17.38	36x69½"	16"
36-11	4000	6450	41x77"	19.25	36x77"	16"

IMPROVED ROUND SECTIONAL BOILERS

Note: Steam Boilers have "S" prefix to numbers: Water Boilers prefic "W"

Boiler Number	STEAM Rating NET	WATER Rating NET	Grate Diameter	Grate Area Sq. Ft.	Smoke Box Diameter
1804	160	255	18"	1.77	7"
1805	200	320	18"	1.77	7"
1806	240	385	18"	1.77	7"
2004	200	320	20"	2.18	7"
2005	240	390	20"	2.18	7"
2006	280	500	20"	2.18	7"
2304	320	510	23"	2.88	8"
2305	360	575	23"	2.88	8"
2306	400	675	23"	2.88	8"
2604	440	705	26"	3.69	9"
2605	480	775	26"	3.69	9"
2606	520	830	26"	3.69	9"
2904	560	900	29"	4.58	10"
2905	610	975	29"	4.58	10"
2906	655	1100	29"	4.58	10"
31-4	665	1065	31"	5.25	11"
31-5	735	1265	31"	5.25	11"
31-6	800	1350	31"	5.25	11"

E.& O.E.

SQUARE SECTIONAL UNJACKETED BOILERS - for COAL

Note: Steam Boilers have suffix "S"; Water Boilers have suffix "W"

	STEAM Rating		WATER Rating		Grate	Combustion	
Boiler Number	Output Sq. Ft.	Installed Sq. Ft.	Output Sq. Ft.	Installed Sq. Ft.	Area Sq.Ft.	Chamber Length	Chimney Size
			17 SERIES				
531	500	220	800	340	1.5	12	8x8"
631	660	295	1040	465	2.	16	8x8"
741	820	370	1280	590	2.5	20	8x8"
841	980	445	1520	715	3.	24	8x12"
951	1140	520	1760	840	3.5	28	8x12"
1051	1300	595	2000	965	4.	32	8x12"
1161	1460	670	2240	1090	4.5	36	8x12"
1261	1620	745	2480	1215	5.	40	8x12"
			21 SERIES				
2106	1330	625	2130	1000	4.01	27½	12x12"
2107	1565	775	2505	1240	4.74	32½	12x12"
2108	1800	925	2880	1480	5.47	37½	12x12"
2109	2035	1075	3255	1720	6.20	42½	12x12"
2110	2270	1225	3630	1960	6.93	47½	12x16"
2111	2505	1375	4005	2200	7.66	52½	12x16"
			27 SERIES				
2706	2000	1000	3200	1600	5.86	31¼	12x12"
2707	2500	1250	4000	2000	6.98	37¼"	12x16"
2708	3000	1500	4800	2400	8.11	43¼	16x16"
2709	3500	1750	5600	2800	9.23	49¼	16x16"
2710	4000	2000	6400	3200	10.34	55¼	16x20"
2711	4500	2250	7200	3600	11.48	61¼	16x20"
2712	5000	2500	8000	4000	12.61	67¼	20x20"
			36 SERIES				
3606	3200	1500	5120	2400	8.13	32½	16x20"
3607	3850	1880	6160	3010	9.63	38½	16x20"
3608	4500	2260	7200	3610	11.13	44½	20x20"
3609	5150	2640	8240	4220	12.63	50½	20x20"
3610	5800	3020	9280	4830	14.13	56½	20x20"
3611	6450	3400	10320	5440	15.63	62½	20x20"
3612	7100	3780	11360	6050	17.13	68½	20x24"
3613	7750	4160	12400	6660	18.63	74½	24x24"
3614	8400	4540	13440	7270	20.13	80½	24x24"
3615	9050	4920	14480	7880	21.63	86½	24x24"

Grate to Crown:	17-Series 16"	21-Series 17½"	27-Series 19-3/4"	36-Series 23½"
Hght of Ashpit:	17-Series 10"	21-Series 13"	27-Series 14"	36-Series 14"

Note: "Installed Rating" is net rating.

"BIG TWIN" SECTIONAL BOILERS

STEAM Boiler Number	STEAM Rating Sq. Ft.	WATER Boiler Number	WATER Rating Sq. Ft.	Average Firepot	Grate Area Sq. Ft.	Smoke Pipe
S-50-6	7850	W-50-6	12600	55x55.5	19.27	22"
S-50-7	9300	W-50-7	15000	55x66	22.92	22"
S-50-8	10750	W-50-8	17400	55x76.5	26.56	22"
S-50-9	12200	W-50-9	19800	55x87	30.20	22"
S-50-10	13650	W-50-10	22200	55x97.5	33.85	22"
S-50-11	15100	W-50-11	24600	55x97.5	33.85	22"
S-50-12	16550	W-50-12	27000	55x97.5	33.85	22"

Note: Re above: Figure all piping, mains, etc., as radiating surface in addition to direct radiation used.

50" TWIN SERIES SQUARE SECTIONAL BOILERS

Note: Steam Boilers have "S" suffix to number; Water suffix "W"

COAL FIRED

Boiler Number	STEAM Rating Output Sq. Ft.	STEAM Rating Installed Sq. Ft.	WATER Rating Output Sq. Ft.	WATER Rating Installed Sq. Ft.	Grate Area Sq.Ft.	Grate Size	Chimney Size
5006	10000	5000	16000	8000	19.27	50x55½"	24x28"
5007	12400	6200	19840	9920	22.92	50x66"	24x28"
5008	14800	7400	23680	11840	26.56	50x76½"	24x28"
5009	17200	8600	27520	13760	30.20	50x87"	24x28"
5010	19600	9800	31360	15680	33.85	50x97½"	30x36"
5011	22000	11000	35200	17600	37.50	50x108"	30x36"
5012	24400	12200	39040	19520	41.14	50x118½"	30x36"
5013	26800	13400	42880	21440	44.80	50x129"	36x36"
5014	29200	14600	46720	23360	48.45	50x139½"	36x36"

OIL FIRED

Boiler Number	STEAM Rating Output Sq. Ft.	STEAM Rating Installed Sq. Ft.	WATER Rating Output Sq. Ft.	WATER Rating Installed Sq. Ft.	Grate Area Sq.Ft.	Grate Size	Chimney Size
5006	10000	5000	16000	8000	19.27		24x28"
5007	12400	6200	19840	9920	22.92		24x28"
5008	14800	7400	23680	11840	26.56		24x28"
5009	17200	8600	27520	13760	30.20		24x28"
5010	19600	9800	31360	15680	33.85		30x36"
5011	22000	11000	35200	17600	37.50		30x36"
5012	24400	12200	39040	19520	41.15		30x36"
5013	26800	13400	42880	21440	44.80		36x36"
5014	29200	14600	46720	23360	48.45		36x36"

Note: "Installed Rating" refers to net installed radiation.

LORD & BURNHAM WELDED STEEL BOILERS (COMPACT SERIES)

	STEAM NET Rating		STOKER FIRED - STEAM				
Boiler Number	Hand Fired Sq. Ft.	Oil or Gas Fired Sq. Ft.	Boiler Number	Stoker Fired Sq. Ft.	Sq. Ft. Heating Surface	Grate Area Sq. Ft.	Smoke Pipe
36-48	1389	1695	A-48	1695	129	7.9	20"
36-58	1702	2089	A-58	2089	158	8.9	20"
36-68	2020	2461	A-69	2461	186	9.7	20"
36-73	2335	2853	A-79	2853	215	10.5	20"
42-61	2732	3335	B-61	3335	250	11.4	24"
42-69	3135	3830	B70	3830	286	12.2	24"
42-78	3540	4330	B-78	4330	322	13.4	24"
42-86	3945	4834	B-87	4834	358	14.5	24"
48-89	4770	5850	C-90	5850	429	16.4	26"
48-104	5608	6885	C-104	6885	500	18.1	26"
54-88	6885	8490	D-87	8490	608	20.5	28"
54-103	8197	10125	D-102	10125	715	22.5	28"
60-96	10417	12650	E-96	12650	893	25.6	32"
60-114	12500	15183	E-114	15183	1072	28.4	32"
66-118	14584	17708	F-118	17708	1250	30.9	34"
72-121	16667	20242	G-121	20242	1429	33.2	36"
78-138	20834	25300	H-137	25300	1786	37.4	38"
84-118	25000	30359	J-118	30359	2143	41.2	42"
84-137	29167	35417	J-137	35417	2500	44.7	42"

TUBE TYPE BOILERS

STEAM Boiler Number	STEAM Direct Radiation	WATER Boiler Number	WATER Direct Radiation	Grate Area Sq. Ft.	Grate Size	Smoke Pipe
2104 S	600	2104 W	1000	2.47	21x17½"	10"
2105 S	800	2105 W	1300	3.20	21x22½"	10"
2106 S	1000	2106 W	1600	3.93	21x27½"	10"
2107 S	1200	2107 W	1900	4.66	21x32½"	10"
2108 S	1400	2108 W	2200	5.39	21x37½"	10"
2109 S	1600	2109 W	2500	6.12	21x42½"	10"
2706 S	1600	2706 W	2600	5.84	27x31¼"	12"
2707 S	1975	2707 W	3200	6.97	27x37¼"	12"
2708 S	2350	2708 W	3800	8.09	27x43¼"	12"
2709 S	2725	2709 W	4400	9.22	27x49¼"	12"
2710 S	3100	2710 W	5000	10.34	27x55¼"	12"
2711 S	3475	2711 W	5600	11.46	27x61¼"	12"
2712 S	3850	2712 W	6200	12.58	27x67¼"	12"

Note: Above ratings are GROSS - from Catalog No. 36

MATHESON WELDED STEEL HEATING BOILERS

STEAM Boiler Size	Hand Fired Gross Sq. Ft.	Hand Fired NET Sq. Ft.	Stoker, Gas, Oil Gross Sq. Ft.	Stoker, Gas, Oil NET Sq. Ft.	Grate Surface	Grate to Crown	Smoke Outlets Dia.	Smoke Outlets Sq.
S80	1120	933	1360	1133	5.28	22"	10"	9"
S100	1400	1166	1700	1416	6.32	22"	12"	11"
S125	1750	1458	2125	1770	7.58	22"	13"	12"
S150	2100	1749	2550	2124	7.58	22"	14"	13"
S175	2450	2041	2975	2478	10.2	23"	15"	14"
S200	2800	2332	3400	2832	11.5	23"	15"	15"
S225	3150	2624	3825	3186	11.5	23"		
S250	3500	2915	4250	3540	12.4	24"	17"	16"
S275	3850	3207	4675	3894	12.4	24"		
S300	4200	3498	5100	4248	13.9	24"	18"	16"
S350	4900	4081	5950	4965	14.1	24"	19"	17"
S400	5600	4664	6800	5664	15.9	24"		
S450	6300	5247	7650	6372	16.1	28"	20"	18"
S500	7000	5830	8500	7080	18.1	28"		
S550	7700	6413	9350	7788	18.1	28"	22"	20"
S600	8400	6996	10200	8496	19.8	28"	24"	22"
S650	9100	7579	11050	9204	21.9	28"		
S700	9800	8162	11900	9912	21.9	28"		
S800	11200	9328	13600	11328	24.1	30"	26"	24"
S900	12600	10494	15300	12744	26.9	30"	28"	25"
S1000	14000	11660	17000	14160	32.5	31"	30"	27"
S1100	15400	12826	18700	15576	32.5	31"		
S1200	16800	13992	20400	16992	32.5	31"	32"	29"
S1300	18200	15158	22100	18408	34.8	33"		
S1500	21000	17490	25500	21240	37.9	33"		
S1600	22400	18656	27200	22656	42.0	33"	34"	31"
S1800	25200	20988	30600	25488	45.2	36"	34"	31"
S2000	28000	23320	34000	28320	45.2	36"	36"	32"
S2200	30800	25652	37400	31152	48.1	36"	38"	34"
S2400	33600	27984	40800	33984	52.0	36"	40"	36"
WATER								
W100	2240	1866	2720	2266	5.28	20"	12"	11"
W125	2800	2333	3400	2833	6.32	20"	13"	12"
W150	3360	2799	4080	3399	7.58	21"	14"	13"
W175	3920	3266	4760	3966	8.63	21"	15"	14"
W200	4480	3732	5440	4532	10.2	23"	16"	15"
W225	5040	4199	6120	5099	10.2	23"		
W250	5600	4665	6800	5665	11.5	23"	17"	16"
W275	6160	5132	7480	6232	11.5	23"		
W300	6720	5598	8160	6798	12.4	24"	18"	16"
W350	7840	6531	9520	7931	13.9	24"	19"	17"
W400	8960	7464	10880	9064	15.9	24"		
W450	10080	8397	12240	10197	15.9	24"	20"	18"
W500	11200	9330	13600	11330	18.1	27"		
W550	12320	10263	14960	12463	18.1	27"	22"	20"
W600	13440	11196	16320	13596	20.2	27"	24"	22"
W650	14560	12190	17680	14729	21.2	27"		
W700	15680	13062	19040	15862	24.8	27"		
W800	17920	14928	21760	18128	24.8	27"	26"	24"

MATHESON WELDED STEEL HEATING BOILERS (Continued)

STEAM Boiler Size	Hand Fired Gross Sq. Ft.	Hand Fired NET Sq. Ft.	Stoker, Gas, Oil Gross Sq. Ft.	Stoker, Gas, Oil NET Sq. Ft.	Grate Surface	Grate to Crown	Smoke Outlets Dia.	Smoke Outlets Sq.
W900	20160	16794	24480	20394	27.0	30"	28"	25"
W1000	22400	18660	27200	22660	29.8	30"	30"	27"
W1100	24640	20526	29920	24926	29.8	30"		
W1200	26880	22392	32640	27192	33.6	31"	32"	29"
W1300	29120	24258	35360	29458	36.2	31"		
W1500	33600	27990	40800	33990	40.1	33"		
W1700	38080	31722	46240	38522	41.5	33"		
W1800	40320	33588	48960	40788	47.1	33"	34"	31"
W2000	44800	37320	54400	45320	49.6	36"	36"	32"
W2200	49280	41052	59840	49852	54.7	36"	38"	34"
W2400	53760	44784	65280	54384	54.7	36"	40"	36"

MORHEAT

Chatham
Erecting Co. Ltd.

MORHEAT LOW PRESSURE STEAM AND HOT WATER HEATING

Boiler No.	E.D.R. STEAM	E.D.R. WATER	Burner No.	Oil	Nozzle G.P.H.
1	550	800	A3	#3	1.00
2	701	1122	A3	#3	1.75
6	1041	1666	B5	#3	2.00
8	1486	2378	B5	#3	3.00
10	1998	3197	C7	#3	4.50
12	2565	4104	C7	#3	5.50
16	3531	5650	C17	#3	8.00
18	4170	6672	CSS17	#3	9.50
22	5660	9000	CSS17	#3	12.00

Napanee Iron Works Ltd.
Napanee, Ontario

NAPANEE AUTOMATIC BOILERS

Boiler Horse-Power	Equiv-alent H. P.	Steam lbs. per hour (212°F)	BTU Output per hour 1000s	STEAM E.D.R. Sq. Ft.	WATER E.D.R. Sq. Ft.	Firing Rates Imp. G.P.H. Lght Oil	Hvy Oil
10 H.P.	10	345	335	1395	2230	2.5	
15 H.P.	15	517.5	502.5	2092	3345	3.75	
20-H.P.	20	690	670	2790	4465	5	
25 H.P.	25	862.5	837.5	3485	5575	6.25	
30 H.P.	30	1035	1005	4188	6696	7.5	
40 H.P.	40	1380	1340	5580	8930	10.	
50 H.P.	50	1725	1675	6975	11165	12.5	
60 H.P.	60	2070	2010	8370	13380	15.	13.8
70 H.P.	70	2415	2345	9765	15610	17.5	16.2
80 H.P.	80	2760	2680	11160	17840	20.	18.5
100H.P.	100	3450	3350	13955	22330	25.	23.3
125 H.P.	125	4313	4188	17445	27915	31.25	29.2
150 H.P.	150	5175	5025	20935	33500	37.5	35.
200 H.P.	200	6900	6700	27915	44665	50.	46.25
250 H.P.	250	8625	8375	34895	55830	62.5	57.5
300 H.P.	300	10350	10050	41875	67000	75.	70.
350 H.P.	350	12075	11725	48854	78167	87.5	81.25
400 H.P.	400	13800	13400	55830	89330	100.	92.5
500 H.P.	500	17250	16750	69790	111665	125.	115.
600 H.P.	600	20700	20100	83750	134000	150.	137.5

Firing Rate 100% Capacity

Natural Gas (1000 Btu)									
	H.P.	10	15	20	25	30	40	50	60
	Cu.Ft.	420	630	840	1050	1257	1676	2095	2520
	H.P.-	70	80	100	125	150	200	250	300
	Cu.Ft.	2933	3352	4190	5235	6280	8375	10470	12565
	H.P.	350	400	500	600				
	Cu.Ft.	14660	16750	20938	25128				

Boiler Numbers - 2nd number is H.P. above.

500 Series - 530-20 530-25 536-30 542-40 542-50 548-60 548-70 548-80
554-100 554-125 566-150 566-200 578-250 578-300 578-350 590-400
590-500 590-600

300 Series - 324-10 324-15 330-20 330-25 336-30 336-40 336-50
342-60 342-70 348-80

Made by The National
Radiator Co. (USA)

NATIONAL "100" SERIES (For Automatic Firing)

	NET I-B-R RATING						
Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Steam B.T.U.	Water B.T.U.	Burner Capacity Oil Gals.	Combustion Space Cu. Ft.	Chimney Size
A-103	230	430	55,000	65,000	.85	2.94	8x8"
A-104	310	570	74,000	86,000	1.10	3.95	8x8"
A-105	390	715	94,000	107,000	1.35	4.96	8x8"
A-106	470	855	113,000	128,000	1.60	5.96	8x8"
For HAND FIRING					Grate Area - Sq.Ft.		
H-103	170	270	41,000	41,000	1.11		8x8"
H-104	230	370	55,000	55,000	1.48		8x8"
H-105	290	460	70,000	70,000	1.85		8x8"
H-106	350	560	84,000	84,000	2.21		8x8"

NATIONAL "200" SERIES (For Automatic Firing)

	NET I-B-R RATING						
Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Steam B.T.U.	Water B.T.U.	Burner Capacity Oil Gals.	Combustion Space Cu. Ft.	Chimney Size
A-204	400	730	96,000	110,000	1.45	4.8	8x8"
A-205	500	910	120,000	137,000	1.80	5.8	8x8"
A-206	600	1080	144,000	162,000	2.15	6.8	8x12"
A-207	690	1235	166,000	185,000	2.40	7 .8	8x12"
A-208	780	1390	187,000	209,000	2.85	8.8	8x12"
A-209	880	1560	211,000	234,000	2.95	9.8	8x12"
For HAND FIRING					Grate Area - Sq.Ft.		
H-204	350	560	84,000	84,000	2.18		8x8"
H-205	450	720	108,000	108,000	2.69		8x8"
H-206	550	880	132,000	132,000	3.20		8x12"
H-207	660	1055	158,000	158,000	3.71		8x12"
H-208	770	1230	185,000	185,000	4.21		8x12"
H-209	880	1410	211,000	211,000	4.72		8x12"

NATIONAL "300" SERIES (For Automatic Firing)

	NET I-B-R RATING						
Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Steam B.T.U.	Water B. T. U.	Burner Capacity Oil Gals.	Combustion Space Cu. Ft.	Chimney Size
A-304	700	1255	168,000	188,000	2.50	6.8	8x12"
A-305	900	1590	216,000	239,000	3.10	8.5	12x12"
A-306	1100	1920	264,000	289,000	3.75	10.1	12x12"
A-307	1300	2255	312,000	338,000	4.35	11.8	12x12"
A-308	1500	2575	360,000	386,000	4.95	13.5	12x16"
A-309	1700	2895	408,000	434,000	5.50	15.1	12x16"
A-310	1900	3210	456,000	482,000	6.10	16.8	12x16"
A-311	2100	3525	504,000	529,000	6.65	18.5	16x16"
A-312	2300	3835	552,000	575,000	7.20	20.1	16x16"

NATIONAL "300" SERIES (For Hand Firing)

	NET I-B-R RATING					
Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Steam B.T.U.	Water B.T.U.	Grate Area	Chimney Size
H-304	700	1120	168,000	168,000	4.0	12x12"
H-305	900	1440	216,000	216,000	5.0	12x12"
H-306	1100	1760	264,000	264,000	5.9	12x16"
H-307	1300	2080	312,000	312,000	6.9	12x16"
H-308	1500	2400	360,000	360,000	7.8	16x16"
H-309	1700	2720	408,000	408,000	8.8	16x16"
H-310	1900	3040	456,000	456,000	9.7	16x20"
H-311	2100	3360	504,000	504,000	10.7	16x20"
H-312	2300	3680	552,000	552,000	11.6	20x20"

NATIONAL "400" SERIES (For Automatic Firing)

	NET I-B-R RATING						
Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Steam B.T.U.	Water B.T.U.	Burner Capacity Oil Gals.	Combustion Space Cu. Ft.	Chimney Size
A-405	2500	4145	600,000	622,000	7.80	20.4	16x16"
A-406	3000	4905	720,000	736,000	9.25	25.1	16x16"
A-407	3500	5650	840,000	848,000	10.70	28.7	16x20"
A-408	4000	6400	960,000	960,000	12.15	32.5	16x20"
A-409	4500	7200	1,080,000	1,080,000	13.55	36.1	20x20"
A-410	5000	8000	1,200,000	1,200,000	14.80	39.7	20x20"
A-411	5500	8800	1,320,000	1,320,000	15.90	43.5	20x20"
A-412	6000	9600	1,440,000	1,440,000	17.15	47.1	20x24"
For HAND FIRING					Grate Area - Sq.Ft.		
H-405	2500	4000	600,000	600,000	9.17		16x16"
H-406	3000	4800	720,000	720,000	11.00		16x16"
H-407	3500	5600	840,000	840,000	12.82		16x20"
H-408	4000	6400	960,000	960,000	14.64		20x20"
H-409	4500	7200	1,080,000	1,080,000	16.45		20x20"
H-410	5000	8000	1,200,000	1,200,000	18.25		20x24"
H-411	5500	8800	1,320,000	1,320,000	20.07		20x24"
H-412	6000	9600	1,440,000	1,440,000	21.90		24x24"

NATIONAL "500" SERIES (For Automatic Firing)

	NET I-B-R RATING						
Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	B.T.U.	Gross Output B.T.U.	Burner Capacity Oil Gals.	Combustion Space Cu. Ft.	Chimney Size
A-506	4000	6400	960,000	1,278,000	12.3	45.6	20x20"
A-507	4900	7840	1,176,000	1,537,000	14.8	54.4	20x20"
A-508	5800	9280	1,392,000	1,797,000	17.3	63.1	20x24"
A-509	6700	10720	1,608,000	2,071,000	19.9	71.8	24x24"
A-510	7600	12160	1,824,000	2,349,000	22.5	80.6	24x28"
A511	8500	13600	2,040,000	2,628,000	25.2	89.3	28x28"
A-512	9400	15040	2,256,000	2,906,000	27.8	98.0	28x28"
A-513	10300	16480	2,472,000	3,184,000	30.4	106.8	28x28"

NATIONAL "500" SERIES - For Hand Firing

Boiler Number	NET I-B-R Rating Steam Sq. Ft.	Water Sq. Ft.	B.T.U.	Gross Output B.T.U.	Grate Area Sq.Ft.	Chimney Size
H-506	4300	6880	1032,000	1695,000	17.85	20x20"
H-507	5500	8800	1320,000	2057,000	21.30	20x20"
H-508	6700	10720	1608,000	2388,000	24.75	20x24"
H-509	7900	12640	1896,000	2711,000	28.20	24x24"
H-510	9100	14560	2184,000	3058,000	31.65	24x28"
H-511	9500	15200	2280,000	3192,000	28.20	28x28"
H-512	10000	16000	2400,000	3360,000	31.65	28x28"

STEEL BOILERS - TYPE RO - For Oil & Gas Firing

Boiler Number	SBI Net Rating Steam Sq. Ft.	Water Sq. Ft.	B. T. U.	Burner Capacity Oil - Gals.	Coal - Lbs.
RO-2635	900	1440	216,000	3.0	
RO-2640	1100	1760	264,000	3.7	
RO-2650	1300	2080	312,000	4.3	
RO-2940	1500	2400	360,000	5.0	
RO-2950	1800	2880	432,000	6.0	
TYPE RA - For Stoker, Oil & Gas Firing					
RA-2635	700	1120	168,000	2.3	26
RA-2640	900	1440	216,000	3.0	34
RA-2940	1100	1760	264,000	3.7	42
RA-2950	1300	2080	312,000	4.3	49
RA-2955	1500	2400	360,000	5.0	57
RA-3940	1800	2880	432,000	6.0	68
RA-3950	2200	3520	528,000	7.3	83
RA-3955	2600	4160	624,000	8.6	98
RA-3965	3000	4800	720,000	10.0	105
TYPE RH - For Hand Firing				Grate Area Sq.Ft.	
RH-2635	570	910	137,000	4.4	
RH-2640	740	1180	178,000	5.6	
RH-2940	910	1450	218,000	6.2	
RH-2950	1080	1720	259,000	7.5	
RH-2955	1230	1970	295,000	8.6	
RH-3940	1480	2370	355,000	8.1	
RH-3950	1810	2890	434,000	10.0	
RH-3955	2140	3430	514,000	11.9	
RH-3965	2480	3970	596,000	13.7	

NATIONAL BONDED JACKETED SQUARE BOILERS
FOR STEAM, VAPOR AND HOT WATER

STEAM Number	Bonded Rating	WATER Number	Bonded Rating	Grate Area Sq. Ft.	Chimney Area	Smoke Pipe
2-S-4	200	2-W-4	330	1.5	8x8"	9"
2-S-5	290	2-W-5	480	2.0	8x8"	9"
2-S-6	380	2-W-6	630	2.5	8x8"	9"
2-S-7	470	2-W-7	780	3.0	8x12"	9"
2-S-8	560	2-W-8	930	3.5	8x12"	9"
2-S-9	650	2-W-9	1080	4.0	8x12"	
3-S-5	480	3-W-5	790	3.12	8x12"	10"
3-S-6	600	3-W-6	990	3.91	8x12"	10"
3-S-7	720	3-W-7	1190	4.70	8x12"	10"
3-S-8	840	3-W-8	1390	5.49	8x12"	10"
4-S-5	700	4-W-5	1150	4.78	12x12"	12"
4-S-6	875	4-W-6	1440	5.95	12x12"	12"
4-S-7	1050	4-W-7	1730	7.12	12x12"	12"
4-S-8	1225	4-W-8	2020	8.29	12x12"	12"
4-S-9	1400	4-W-9	2310	9.46	12x16"	12"

NOTE: Bonded C.I. radiation listed for above boilers said to include an allowance for normal piping and is based on use of 12,500 BTU coal.

NATIONAL COMMERCIAL STEEL BOILERS

Note: BTU per hour is in 1000's

AUTOMATIC FIRING

Boiler Number	SBI Rating STEAM Sq. Ft.	WATER Sq. Ft.	B.T.U.	SBI NET Rating STEAM Sq. Ft.	WATER Sq. Ft.	B.T.U.
4250	3650	5840	876	3000	4800	720
4260	4250	6800	1020	3500	5600	840
4265	4860	7770	1166	4000	6400	960
4275	5470	8750	1313	4500	7200	1080
4280	6080	9720	1459	5000	8000	1200
4875	7290	11660	1750	6000	9600	1440
4885	8500	13600	2040	7000	11200	1680
5485	10330	16520	2479	8500	13600	2040
5495	12150	19440	2916	10000	16000	2400
6000	15180	24280	3643	12500	20000	3000
6015	18220	29150	4373	15000	24000	3600
6615	21250	34000	5100	17500	28000	4200
6630	24290	38860	5830	20000	32000	4800
7820	30360	48570	7286	25000	40000	6000
7840	36430	58280	8743	30000	48000	7200
7865	42500	68000	10200	35000	56000	8400
HAND FIRING						
4250	3000	4800	720	2500	4000	600
4260	3500	5600	840	2920	4670	700
4265	4000	6400	960	3330	5330	800
4275	4500	7200	1080	3750	6000	900
4280	5000	8000	1200	4170	6670	1000

(Continued on next page)

NATIONAL COMMERCIAL STEEL BOILERS (continued)

HAND FIRING

Boiler Number	SBI Rating STEAM Sq. Ft.	SBI Rating WATER Sq. Ft.	SBI Rating B.T.U.	SBI NET Rating STEAM Sq. Ft.	SBI NET Rating WATER Sq. Ft.	SBI NET Rating B.T.U.
4875	6000	9600	1440	5000	8000	1200
4885	7000	11200	1680	5830	9330	1400
5485	8500	13600	2040	7080	11330	1700
5495	10000	16000	2400	8330	13330	2000
6000	12500	20000	3000	10420	16700	2500
6015	15000	24000	3600	12500	20000	3000
6615	17500	28000	4200	14580	23330	3500
6630	20000	32000	4800	16670	26670	4000
7820	25000	40000	6000	20830	33330	5000
7840	30000	48000	7200	25000	40000	6000
7865	35000	56000	8400	29170	46670	7000

NATIONAL BONDED LOW WATER LINE BOILERS
HARD COAL TYPE

STEAM & VAPOR Boiler Number	STEAM & VAPOR Direct Rating	WATER Boiler Number	WATER Direct Rating	Grate Area	Chimney Area
35-S	850	35-W	1400	5.83	12x12"
36-S	1100	36-W	1815	7.29	12x12"
37-S	1350	37-W	2230	8.75	12x12"
38-S	1600	38-W	2645	10.21	12x12"
39-S	1850	39-W	3060	11.67	12x16"
310-S	2100	310-W	3475	13.13	12x16"
311-S	2350	311-W	3890	14.59	12x16"
312-S	2600	312-W	4305	16.05	16x16"
46-S	1800	46-W	2970	9.79	12x16"
47-S	2200	47-W	3630	11.73	12x16"
48-S	2600	48-W	4290	13.68	16x16"
49-S	3000	49-W	4950	15.62	16x20"
410-S	3400	410-W	5610	17.57	16x20"
411-S	3800	411-W	6270	19.51	20x20"
412-S	4200	412-W	6930	21.45	20x20"
413-S	4600	413-W	7590	23.40	24x24"
414-S	5000	414-W	8250	25.34	24x24"
415-S	5400	415-W	8910	27.29	24x28"
416-S	5800	416-W	9570	29.23	28x28"
417-S	6200	417-W	10230	31.17	28x28"
418-S	6600	418-W	10890	33.12	28x32"

SMOKELESS TYPE

STEAM & VAPOR No's. 530-SS 630-SS 730-SS 830-SS 930-SS 1030-SS
1130-SS 1230-SS 640-SS 740-SS 840-SS 940-SS
1040-SS 1140-SS 1240-SS 1340-SS 1440-SS
1540-SS 1640-SS 1740-SS 1840-SS

HOT WATER Boilers have same numbers with suffix letters "SW" instead of "SS"

NATIONAL SMOKELESS BOILERS (continued)

Size	STEAM Rating	WATER Rating	Grate Area Sq. Ft.	Combustion Chamber Area Sq.Ft.	Smoke Pipe
36-13	8700	14350	22.75	4.50	16"
36-14	9400	15500	22.75	6.75	16"
36-15	10100	16650	25	6.75	16"
36-16	10800	17800	25	9.00	16"
48-9	9600	15825	21.78	7.10	20"
48-10	10775	17775	25.33	7.10	20"
48-11	11950	19725	28.88	7.10	20"
48-12	13125	21675	32.43	7.10	20"
48-13	14300	23625	35.98	7.10	20"
48-14	16475	25575	35.98	10.65	20"
48-15	16650	27525	39.53	10.65	20"
48-16	17825	29475	39.53	14.20	20"

Made by Newport Boiler Co.
Chicago, Ill.

NEWPORT BOILER - SINGLE GRATE

STEAM

Boiler Number	Ratings Sq. Ft.	Maximum Direct Radiation	Smoke Pipe	Hard Coal Capacity Pounds	Chimney Flue
S-4	594	340	10"	280	8x12"
S-5	750	430	10"	365	8x12"
S-6	907	518	10"	450	8x12"
S-7	1063	607	10"	535	12x12"
S-8	1219	696	10"	620	12x12"

WATER

W-4	1000	572	10"	280	8x12"
W-5	1250	714	10"	365	8x12"
W-6	1500	857	10"	450	8x12"
W-7	1750	1000	10"	535	12x12"
W-8	2000	1143	10"	620	12x12"

DOUBLE GRATE TYPE - STEAM

S55	1375	786	12"	600	12x12"
S-66	1688	965	12"	740	12x16"
S-77	2000	1143	12"	880	12x16"
S-88	2313	1322	12"	1020	16x16"
S-99	2625	1500	12"	1160	16x16"

WATER

W-55	2282	1304	12"	600	12x12"
W-66	2782	1590	12"	740	12x16"
W-77	3313	1893	12"	880	12x16"
W-88	3813	2179	12"	1020	16x16"
W-99	4313	2464	12"	1160	16x16"

OAKWOOD-"SPENCER"

Made by Oakwood Iron Works Limited
Toronto, Ontario

SPENCER STEEL HEATING BOILERS

S.H.B.I. Ratings - Sq. Ft.

	STEAM				WATER			
Boiler Number	Hand fired GROSS	Hand Fired NET	Mech. Fired Gross	Mech. Fired NET	Hand Fired GROSS	Hand Fired NET	Mech. Fired Gross	Mech. Fired NET
28-2B	1036	863	1258	1047	1658	1381	2013	1677
28-4	1260	1049	1530	1275	2016	1679	2448	2040
32-5	1568	1306	1904	1586	2509	2090	3046	2538
32-7	1932	1609	2346	1954	3091	2575	3754	3128
32-8B	2310	1924	2805	2336	3696	3079	4488	3739
36-9B	2660	2215	3230	2690	4256	3545	5186	4306
36-10B	3024	2519	3672	3058	4838	4031	5875	4894
36-11	3388	2822	4114	3427	5421	4516	6582	5484
36-12	3738	3113	4539	3781	5981	4982	7262	6050
36-12B	4088	3405	4964	4135	6540	5449	7942	6617
42-13	4452	3708	5406	4503	7123	5934	8650	7206
42-14	5166	4303	6273	5225	8266	6886	10037	8361
42-15B	5908	4921	7174	5975	9453	7875	11478	9562
48-16B	6608	5504	8024	6683	10573	8808	12838	10695
48-18	7308	6087	8874	7391	11693	9740	14198	11828
48-18B	8022	6681	9741	8114	12835	10692	15586	12984
54-19	8736	7276	10608	8836	13977	11644	16973	14140
54-20A	9436	7859	11458	9544	15098	12577	18333	15273
54-20B	10346	8617	12563	10464	16554	13790	20100	16745
60-21	11746	9782	14263	11880	18973	15656	22820	19011
60-22B	13160	10960	15980	13310	21056	17540	25568	21310
66-23A	14560	12126	17680	14726	23296	19406	28288	23566
66-23B	16030	13351	19465	16213	25648	21366	31144	25946
66-24	17430	14517	21165	17629	27888	23232	33864	28212
72-25	19068	15881	23154	19286	30508	25415	37046	30862
72-26	20468	17047	24854	20702	32749	27281	39766	33128
78-27A	21896	18236	26588	22146	35034	29184	42540	35400
78-27B	23548	18612	28594	23817	37677	31386	45750	38114
78-28	25018	20836	30379	25302	40029	33345	48606	40493
84-29	26418	22002	32079	26720	42268	35211	51326	42759
90-30	29218	24344	35479	29552	46749	38943	56756	47291
90-31	32396	26991	39338	32766	51834	43179	62942	52435
90-32	35280	29383	42840	35682	56448	47023	68544	57102

Boiler Number	28-2B	28-4	32-5	32-7	32-8B	36-9B	36-10B	36-11
Heat. Surface Sq.Ft.	74	90	112	138	165	190	216	242
Grate Area Sq.Ft.	4.4	6.1	7.0	9.1	11.2	9.1	10.6	11.7

Boiler Number	36-12	36-12B	42-13	42-14	42-15B	48-16B	48-18
Heat. Surface Sq.Ft.	267	292	318	369	422	472	522
Grate Area Sq.Ft.	11.7	12.9	12.5	14.0	17.0	18.0	21.6

Boiler Number	48-18B	54-19	54-20A	54-20B	60-21	60-22B	66-23A
Heat. Surface Sq.Ft.	573	624	674	739	839	940	1040
Grate Area Sq.Ft.	23.3	22.6	22.6	24.6	24.8	26.7	27.6

Boiler Number	66-23B	66-24	72-25	72-26	78-27A	78-27B	78-28
Heat. Surface Sq.Ft.	1145	1245	1362	1462	1564	1682	1787
Grate Area Sq.Ft.	30.0	30.0	33.6	35.5	36.0	36.0	38.8

OAKWOOD RESIDENTIAL STEEL HEATING BOILERS

S.H.B.I. STEAM Ratings

Boiler Number	Hand Fired GROSS	Hand Fired NET	Stoker Gas/Oil Gross	Stoker Gas/Oil NET	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	Firebox Height
24-1	426	355	517	431	29.9	2.0	20"
24-2	542	451	660	550	38.7	2.75	20"
24-3	658	548	799	666	47.0	3.5	20"
24-4	774	645	940	783	55.3	4.25	20"
24-5	890	741	1081	900	63.6	5.0	20"
24-6	1007	839	1221	1018	71.9	5.75	20"

S.H.B.I. WATER Ratings

Boiler Number	Hand Fired GROSS	Hand Fired NET	Stoker Gas/Oil Gross	Stoker Gas/Oil NET	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	Firebox Height
24-1	806	672	972	810	29.9	2.0	20"
24-2	1030	858	1254	1045	38.7	2.75	20"
24-3	1263	1053	1523	1269	47.0	3.5	20"
24-4	1478	1232	1782	1485	55.3	4.25	20"
24-5	1720	1434	2074	1728	63.6	5.0	20"
24-6	1934	1612	2354	1944	71.9	5.75	20"

OAKWOOD SERIES 100 STEEL HOT WATER BOILERS

Boiler Number	NET Sq.Ft. Rating	Firebox Length	Firebox Width	Firebox Height	Base Height
101	350	16½"	13"	17"	13"
102	420	19½"	13"	17"	13"
103	625	22"	18-3/4"	20½"	13"
104	775	26½"	18-3/4"	20½"	13"
105	850	29½"	18-3/4"	20½"	13"

SERIES 200 - HOT WATER

Boiler Number	NET Sq.Ft. Rating	Firebox Length	Firebox Width	Firebox Height	Base Height
201	950	19"	22"	20"	14"
202	1125	23"	22"	20"	14"
203	1300	27"	22"	20"	14"
204	1450	32"	22"	20"	14"

SERIES 3 - OAKWOOD STEEL BOILERS

STEAM - NET S.B.I. Ratings			WATER - NET S.B.I. Ratings				
Boiler Number	Hand Fired	Mech. Fired	Hand Fired	Mech. Fired	Heating Surface	Firebox Size	Height
301	740	900	1180	1620	53	19x30"	20"
302	910	1100	1450	1980	65	19x35"	20"
303	1080	1300	1720	2340	77	22x38"	26"
304	1230	1500	1970	2700	88	22x45"	26"
305	1480	1800	2370	3240	106	26x40"	28"
306	1810	2200	2890	3960	129	26x52"	28"
307	2140	2600	3430	4680	153	26x64"	28"
308	2480	3000	3970	5400	177	30x47"	32"
309	2880	3500	4600	6300	206	30x54"	32"
310	3178	3859	5030	6900	227	30x63"	32"
311	3300	4000	5280	7200	236	30x72"	32"
312	3700	4500	5920	8100	265	30x81"	32"
313	4100	5000	6560	9000	294	36x72½"	33"

"PASCOL" WELDED STEEL HEATING BOILERS

TYPE "K" - HAND FIRED BOILERS S.H.B.I. Ratings

Direct Draft Number	Smokeless Number	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	STEAM		WATER	
				GROSS	NET	GROSS	NET
622-B	722-B	50	3.88	700	583	1120	933
622-A	722-A	65	4.4	910	758	1456	1213
622	722	80	5.4	1120	933	1792	1493
623	723	100	6.4	1400	1166	2240	1866
624	724	125	7.3	1750	1458	2800	2333
625	725	150	8.0	2100	1749	3360	2799
626	726	175	9.3	2450	2041	3920	3266
627	727	200	10.5	2800	2332	4480	3732
628	728	225	11.1	3150	2624	5040	4199
629	729	250	11.1	3500	2915	5600	4665
630	730	275	12.5	3850	3207	6160	5132
631	731	300	14.7	4200	3498	6720	5598
632	732	350	14.7	4900	4081	7840	6531
633	733	400	16.5	5600	4664	8960	7464
634	734	450	16.7	6300	5247	10080	8397
635	735	500	18.8	7000	5830	11200	9330
635-A	735-A	550	20.8	7700	6413	12320	10263
636	736	600	20.8	8400	6996	13440	11196
637	737	650	21.2	9100	7579	14560	12129
638	738	700	22.9	9800	8162	15680	13062
639-A	739-A	800	25.6	11200	9328	17920	14928
639	739	900	25.6	12600	10494	20160	16794
640	740	1000	28.0	14000	11660	22400	18660
641	741	1100	30.5	15400	12826	24640	20526
641-A	741-A	1200	30.5	16800	13992	26880	22392
642	742	1300	33.5	18200	15158	29120	24258
643	743	1400	33.5	19600	16324	31360	26124
643-A	743-A	1500	33.5	21000	17490	33600	27990
644	744	1600	36.1	22400	18656	35840	29856
645-A	745-A	1700	39.6	23800	19822	38080	31722
645	745	1800	39.6	25200	20988	40320	33588
646	746	2000	39.6	28000	23320	44800	37320
647	747	2200	42.9	30800	25652	49280	41052
648	748	2400	46.1	36800	27984	53760	44784

TYPE "K" - OIL, GAS or STOKER FIRED

Direct Draft Number	Smokeless Number	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	STEAM		WATER	
				GROSS	NET	GROSS	NET
822-B		50		850	708	1360	1133
822-A		65		1105	920	1768	1473
822		80		1360	1133	2176	1813
823		100		1700	1416	2720	2266
824		125		2125	1770	3400	2833
825		150		2550	2124	4080	3399
826		175		2975	2478	4760	3966
827		200		3400	2832	5440	4532
828		225		3825	3186	6120	5099
829		250		4250	3540	6800	5665
830		275		4675	3894	7480	6232

(Continued next page)

Continuing - PASCOL - TYPE "K" - OIL, GAS or STOKER FIRED

Boiler Number	Heating Surface Sq. Ft.	STEAM GROSS	STEAM NET	WATER GROSS	WATER NET
831	300	5100	4248	8160	6798
832	350	5950	4956	9520	7931
833	400	6800	5664	10880	9064
834	450	7650	6372	12240	10197
835	500	8500	7080	13600	11330
835-A	550	9350	7788	14960	12463
836	600	10200	8496	16320	13596
837	650	11050	9204	17680	14729
838	700	11900	9912	19040	15862
839-A	800	13600	11328	21760	18128
839	900	15300	12744	24480	20394
840	1000	17000	14160	27200	22660
841	1100	18700	15576	29920	24926
841-A	1200	20400	16992	32640	27192
842	1300	22100	18408	35360	29458
843	1400	23800	19824	38080	31724
843-A	1500	25500	21240	40800	33990
844	1600	27200	22656	43520	36256
845-A	1700	28900	24072	46240	38522
845	1800	30600	25488	48960	40788
846	2000	34000	28320	54400	45320
847	2200	37400	31152	59840	49852
848	2400	40800	33984	65280	54384

PASCOL "Lo" BOILER - OIL, GAS or STOKER FIRED

Boiler Number	Heating Surface Sq. Ft.	STEAM GROSS	STEAM NET	WATER GROSS	WATER NET
976	150	2550	2124	4080	3399
977	175	2975	2478	4760	3966
978	200	3400	2832	5440	4532
979	250	4250	3540	6800	5665
980	275	4675	3894	7480	6232
981	300	5100	4248	8160	6798
982	350	5950	4956	9520	7931
983	400	6800	5664	10880	9064
984	450	7650	6372	12240	10197
985	500	8500	7080	13600	11330
986	550	9350	7788	14960	12463
987	650	11050	9204	17680	14729

Boiler Number	COAL FIRED	Heating Surface Sq. Ft.	Grate Area	DIRECT DRAFT & SMOKELESS STEAM GROSS	STEAM NET	WATER GROSS	WATER NET
916	946	150	8.0	2100	1749	3360	2799
917	947	175	9.3	2450	2041	3920	3266
918	948	200	10.5	2800	2332	4480	3732
919	949	250	11.1	3500	2915	5600	4665
920	950	275	12.5	3850	3207	6160	5132
921	951	300	14.1	4200	3498	6720	5598
922	952	350	14.7	4900	4081	7840	6531
923	953	400	16.5	5600	4664	8960	7464
924	954	450	16.5	6300	5247	10080	8397
925	955	500	18.7	7000	5830	11200	9330
926	956	550	20.6	7700	6413	12320	10263

"PASCOL" PORTABLE SMOKELESS FIREBOX BOILERS

Boiler Number	STEAM Rating Sq. Ft.	WATER Rating Sq. Ft.	Boiler Diam.	Firebox Wdth	Firebox Lgth	Heating Surface Sq. Ft.	Upper Grate Area	Stack
307	3000	5000	48"	36"	54"	297	8.8	20" x 50'
308	3500	5800	48"	36"	60"	352	10.1	20" x 55'
309	4000	6600	48"	36"	66"	391	11.4	20" x 55'
310	4500	7400	54"	42"	72"	446	12.9	22" x 55'
311	5000	8300	54"	42"	78"	496	14.7	22" x 55'
312	5500	9100	54"	42"	84"	546	16.5	22" x 60'
313	6000	9900	60"	48"	78"	592	17.1	24" x 60'
314	6500	10700	60"	48"	84"	643	18.5	24" x 60'
315	7500	12400	60"	54"	90"	721	20.	26" x 65'
316	8500	14000	60"	54"	96"	773	21.4	26" x 65'
317	10000	16500	66"	59"	90"	912	23.5	28" x 65'
318	12000	19800	66"	59"	96"	1053	25.9	30" x 70'
319	14000	23100	72"	65"	96"	1204	28.5	32" x 70'
320	16000	26400	72"	65"	102"	1316	29.9	32" x 70'
321	18000	29700	78"	71"	102"	1458	32.6	34" x 80'
322	20000	33000	78"	71"	108"	1549	34.6	34" x 90'
323	25000	40000	84"	77"	114"	2074	41.7	38" x 90'
324	30000	48000	84"	77"	120"	2629	44.8	40" x 100'

"PASCOL" PORTABLE DIRECT DRAFT FIREBOX BOILERS

Boiler Number	STEAM Rating Sq. Ft.	WATER Rating Sq. Ft.	Boiler Diam.	Firebox Wdth	Firebox Lgth	Heating Surface Sq. Ft.	Upper Grate Area	Diameter
407	2500	4100	48"	36"	38"	278	9.6	20"
408	2900	4800	48"	36"	44"	310	11.1	20"
409	3500	5800	48"	36"	50"	373	12.6	20"
410	4000	6600	54"	42"	44"	416"	12.9	22"
411	4500	7400	54"	42"	50"	465	14.7	22"
412	5000	8300	54"	42"	56"	515	16.5	22"
413	5500	9100	60"	48"	56"	565	18.8	24"
414	6000	9900	60"	48"	62"	626	20.8	24"
415	7000	11600	60"	54"	56"	676	20.7	26"
416	8000	13200	60"	54"	62"	778	22.9	26"
417	9500	15700	66"	59"	62"	929	25.5	28"
418	11000	18200	66"	59"	68"	1040	28.	30"
419	13000	21500	72"	65"	68"	1168	30.8	32"
420	15000	24800	72"	65"	74"	1303	33.5	32"
421	17500	28500	78"	71"	74"	1514	36.6	34"
422	20000	32000	78"	71"	80"	1711	39.6	34"
423	25000	40000	84"	77"	80"	2209	42.9	38"
424	28000	45000	84"	77"	86"	2427	46.1	40"

PASCOL DIRECT DRAFT BRICKSET FIREBOX BOILERS

Number	STEAM Sq. Ft.	WATER Sq. Ft.	Heating Surface	Grate Area	Stack Diameter	Firebox Height
1	900	1500	113	4.4	12"	35"
2	1050	1700	131	5.4	12"	35"
3	1200	2000	147	6.4	14"	35"
4	1400	2300	180	6.8	14"	38"
5	1700	2800	215	8.	16"	38"

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PASCOL DIRECT DRAFT BRICKSET FIREBOX BOILERS (continued)

Number	STEAM Sq. Ft.	WATER Sq. Ft.	Heating Surface	Grate Area	Stack Diameter	Firebox Height
6	2000	3300	250	9.3	16"	38"
8	2600	4300	305	11.1	18"	41"
9	3000	5000	350	12.6	20"	41"
10	3500	5800	368	12.9	20"	44"
11	4000	6600	420	14.7	22"	44"
12	4500	7400	472	16.5	22"	44"
13	5500	9100	560	18.8	26"	49"
14	6500	10700	673	20.8	26"	49"
15	7500	12400	743	22.9	30"	54"
16	8700	14400	873	25.1	30"	54"
17	10000	16500	954	25.5	30"	59"
18	11000	18200	1080	28.	30"	59"
19	12000	19800	1167	30.8	34"	64"
20	14000	23100	1329	33.5	34"	64"

PASCOL BRICKSET SMOKELESS BOILERS

Number	STEAM Sq. Ft.	WATER Sq. Ft.	Heating Surface	Upper Grate Area	Stack Diameter	Firebox Size
107	2600	4300	297	8.6	20"	36x54"
108	3100	5100	345	10.1	20"	36x60"
109	3600	5900	393	11.4	22"	36x66"
110	4000	6600	425	11.8	22"	42x66"
111	4700	7800	480	13.2	24"	42x72"
112	5500	9100	535	15.	24"	42x78"
113	6500	10700	628	17.1	28"	48x78"
114	7500	12400	741	19.1	28"	48x84"
115	8500	14000	839	21.1	32"	54x90"
116	10000	16500	973	23.3	32"	54x96"
117	11500	19000	1064	23.5	34"	59x90"
118	13000	21500	1194	25.9	34"	59x96"
119	14000	23100	1291	28.5	36"	65x96"
120	16000	26400	1456	31.3	36"	65x102"

PASCOL STANDARD HORIZONTAL RETURN TUBULAR STATIONARY BOILERS

Boiler Diameter	Boiler Length	Heating Surface	Grate Area	Stack Diameter	Horse Power 15 to 1 Rating
30"	8 ft.	179	6.	13"	12
36"	8 ft.	225	7.5	16"	15
36"	10 ft.	285	8.7	16"	19
42"	10 ft.	390	10.5	18"	26
42"	12 ft.	464	12.	18"	31
48"	12 ft.	576	14.	22"	38
48"	14 ft.	666	15.7	22"	44
54"	12 ft.	704	16.	26"	47
54"	14 ft.	818	18.	26"	54
60"	14 ft.	901	20.2	26"	60

(Continued Over Leaf)

PASCOL STANDARD HORIZONTAL RETURN TUBULAR STATIONARY BOILERS (continued)

Boiler Diameter	Boiler Length	Heating Surface	Grate Area	Stack Diameter	Horse Power 15 to 1 Rating
60"	16 ft.	938	22.5	26"	62
66"	14 ft.	1156	22.5	30"	77
66"	16 ft.	1217	25.	30"	81
72"	14 ft.	1367	24.7	34"	91
72"	16 ft.	1500	27.5	34"	100
72"	18 ft.	1559	30.2	34"	104
78"	16 ft.	1775	33.	36"	118
78"	18 ft.	1803	33.	36"	120
84"	18 ft.	2239	42.2	40"	149
84"	20 ft.	2479	45.5	40"	165

PEASE "ACME" FIREBOX BOILERS

Boiler Number	STEAM Rating Sq. Ft.	WATER Rating Sq. Ft.	Firebox Length	Firebox Width	Smoke Pipe
1	900	1400	26"	24"	16"
2	1000	1600	32"	24"	16"
3	1200	1900	38"	24"	16"
4	1400	2200	32"	30"	18"
5	1700	2700	38"	30"	18"
6	2100	3400	44"	30"	18"
7	2200	3500	38"	36"	20"
8	2500	4000	44"	36"	20"
9	2900	4600	50"	36"	20"
10	3200	5100	44"	42"	22"
11	3800	6100	50"	42"	22"
12	4400	7000	56"	42"	22"
13	4900	7800	56"	48"	24"
14	5800	9300	62"	48"	24"
15	7200	11500	62"	54"	30"
16	8500	13600	68"	54"	30"
17	9300	14800	62"	60"	34"
18	10500	16800	68"	60"	34"
19	11200	17900	68"	66"	40"
20	12800	20500	74"	66"	40"

PEASE
101

Rogers' BOILER DATA

1ST 2 DIGITS DIA OF FIRE POT MEASURED AT THE FIRE GRATE.
3RD DIGIT NO OF SECTIONS.

PEASE "ECONOMY" ROUND HOT WATER BOILERS

Boiler Number	NET Rating Sq. Ft.	Grate Diameter	Firepot Height	Smoke Pipe
N-191-W	365	19"	23¼"	8"
N-192-W	420	19"	23¼"	8"
N-193-W	450	19"	23¼"	8"
N-221-W	500	22"	24½"	9"
N-222-W	575	22"	24½"	9"
N-223-W	600	22"	24½"	9"
N-251-W	675	25"	25¼"	10"
N-252-W	775	25"	25¼"	10"
N-253-W	825	25"	25¼"	10"
N-281-W	875	28"	26¼"	11"
N-282-W	950	28"	26¼"	11"
N-283-W	1000	28"	26¼"	11"
N-311-W	1100	31"	27¼"	12"
N-312-W	1265	31"	27¼"	12"
N-313-W	1350	31"	27¼"	12"
N-341-W	1500	34"	28¼"	13"
N-342-W	1725	34"	28¼"	13"
N-343-W	2000	34"	28¼"	13"

NOTE: Above Ratings are actual boiler capacity providing for mains up to 25% of load.

PEASE "ECONOMY" ROUND STEAM BOILERS

Boiler Number	GROSS Ratings Sq. Ft.	Grate Diameter	Firepot Height	Smoke Pipe
N-173-S	300	17"	24"	7"
N-193-S	400	19"	24½"	8"
N-222-S	525	22"	25½"	9"
N-223-S	575	22"	25½"	9"
N-253-S	700	25"	26½"	10"
N-282-S	900	28"	28"	11"
N-283-S	1000	28"	28"	11"
N-312-S	1275	31"	29½"	12"
N-313-S	1400	31"	29½"	12"
N-343-S	1650	34"	31"	13"

PENDELL
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PENDELL TYPE "R" STEEL (TUBELESS) BOILERS

Boiler Number	Gross Output BTU's	NET Ratings (Not Pumped) BTU's 1000's	STEAM Sq. Ft.	WATER Sq. Ft.	NET Ratings (Circ. Pumped) BTU's 100's	WATER Sq. Ft.	Smoke Pipe	Firing Rate G.P.H.
R-12	84375	.....	.....	400	675	450	7"	.75
R-14	95625	.....	.....	453	765	510	7"	.85
R-17	112500	80	323	533	900	600	7"	1.00
R-21	140625	100	417	667	1125	750	7"	1.25
R-26	168750	120	500	800	1350	900	8"	1.50
R-32	196875	140	583	933	1575	1050	8"	1.75
R-38	225000	160	667	1067	1800	1200	10"	2.00
R-50	281250	200	833	1333	2250	1500	10"	2.50
R-62	337500	240	1000	1600	2700	1800	10"	3.00

PEND-OIL STEEL HEATING BOILERS

Boiler Number	Heating Surface Sq. Ft.	S.H.B.I. Ratings Sq. Ft. STEAM Gross	STEAM NET	WATER Gross	WATER NET	Combust. Chamber Diam.	Stack Diam.
30	30	510	425	816	680	18"	8"
37	37	629	524	1006	838	18"	8"
43	43	731	609	1170	974	18"	8"
52	52	884	736	1414	1178	18"	8"
61	61	1037	864	1659	1382	18"	10"
70	70	1190	991	1904	1586	23"	10"
93	93	1581	1317	2530	2107	23"	10"
116	116	1972	1643	3155	2628	23"	12"
139	139	2363	1968	3771	3151	23"	12"
164	164	2788	2322	4461	3716	30"	16"
184	184	3128	2606	5005	4169	30"	16"
204	204	3468	2889	5549	4622	30"	16"
224	224	3808	3172	6093	5075	30"	18"
244	244	4148	3455	6637	5528	30"	18"
264	264	4488	3739	7181	5982	30"	18"

"PENDELL" MULTI TUBULAR BOILERS - WATER

Boiler Number	Capacity Sq. Ft.	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	Firebox Width	Firebox Length	Smoke Pipe
2	500	33	2	19"	15"	8"
3	600	39	2.6	19"	20"	8"
4	750	48	3.3	19"	25"	8"
5	850	54	4	19"	30"	8"
6	1000	62	4.8	23"	30"	10"
7	1500	93	5.6	23"	35"	10"
8	2000	124	6.5	23"	40"	10"
9	2380	140	7	30"	36"	10"
10	2720	160	7.5	30"	42"	12"
11	3060	180	8	30"	48"	14"
12	3400	200	8.5	30"	54"	14"
13	3740	220	9	30"	60"	14"
14	4080	240	9.5	30"	66"	14"
15	4400	260	10	31"	72"	16"
16	4750	280	10.5	31"	78"	16"
17	5000	300	11	31"	84"	16"

"PENDELL" MULTI TUBULAR BOILERS - STEAM

30	310	31	2	19"	15"	8"
31	390	39	2.6	19"	20"	8"
32	470	47	3.3	19"	25"	8"
33	550	55	3.9	19"	30"	8"
34	630	63	4.6	19"	35"	8"
35	750	75	4.8	23"	30"	10"
36	900	90	5	23"	36"	10"
37	1050	105	5.5	23"	42"	10"
38	1200	120	6	23"	48"	10"
39	1350	135	6.5	23"	54"	10"
40	1500	150	7	23"	60"	12"
41	1600	160	7.5	31"	42"	12"
42	1800	180	8	31"	48"	12"
43	2000	200	8.5	31"	54"	14"
44	2200	220	9	31"	60"	14"
45	2400	240	9.5	31"	66"	14"
46	2600	260	10	31"	72"	14"
47	2800	280	10.5	31"	78"	16"

"PENDELL" CIRCULAR HOT WATER BOILERS

Boiler Number	NET Cap. (incl. mains) Sq. Ft.	Firepot Inside Diam.	Smoke Pipe
3	500	19"	8"
3½	600	21½"	8"
4	700	24"	10"
5	835	26"	10"
6	1000	28"	10"
6½	1250	30"	12"
7	1500	32"	12"

PENDELL STEEL HEATING BOILERS

Boiler Number	Heating Surface Sq. Ft.	STEAM Ratings Sq. Ft. Hand Fired Gross		STEAM Mech. Fired Gross		WATER Ratings Sq. Ft. Hand Fired Gross		WATER Mech. Fired Gross		Heating Surface Sq. Ft.
		Gross	NET	Gross	NET	Gross	NET	Gross	NET	
1	30	420	350	510	425	672	560	816	678	30
2	39	546	455	663	553	873	728	1061	881	39
3	48	672	560	816	680	1075	896	1306	1084	48
4	57	798	665	969	807	1276	1064	1550	1288	57
5	66	924	770	1122	934	1478	1232	1795	1491	66
6	75	1050	875	1275	1175	1680	1399	2040	1695	75
7	100	1400	1166	1700	1416	1904	1586	2312	1921	85
8	113	1582	1317	1921	1600	2128	1772	2584	2147	95
9	126	1764	1468	2142	1784	2352	1958	2856	2373	105
10	139	1946	1620	2363	1968	2576	2145	3128	2599	115
11	152	2128	1772	2584	2152	2800	2332	3400	2825	125
12	165	2310	1924	2805	2336	3024	2519	3672	3051	135
13	182	2548	2122	3094	2577	3472	2892	4216	3503	155
14	200	2800	2331	3400	2831	3853	3209	4678	3887	172
15	218	3052	2541	3706	3086	4234	3526	5140	4271	189
16	236	3304	2751	4012	3341	4615	3843	5603	4655	206
17	254	3556	2961	4318	3596	4995	4160	6066	5039	223
18	272	3808	3171	4624	3851	5376	4478	6528	5424	240
19	334	4676	4011	5678	4871	5779	4814	7017	5830	258
20	383	5372	4571	6523	5551	6227	5187	7561	6282	278
21	432	6067	5130	7367	6230	6675	5560	8106	6735	298
22	482	6762	5690	8211	6910	7123	5933	8650	7187	318
23	532	7457	6249	9055	7589	7571	6307	9195	7639	338
24	582	8152	6809	9899	8269	8019	6680	9740	8091	358
25	632	8848	7369	10744	8949	8467	7053	10285	8543	378

SERIES "A", "B", "C", "D", "E", "F"

SERIES "A"									
30	30	420	350	510	425	672	560	816	678
39	39	546	455	663	553	873	728	1061	881
48	48	672	560	816	680	1075	896	1306	1084
57	57	798	665	969	807	1276	1064	1550	1288
66	66	924	770	1122	934	1478	1232	1795	1491
75	75	1050	875	1275	1062	1680	1399	2040	1695
SERIES "B"									
90	90	1260	1049	1530	1275	2016	1679	2448	2040
112	112	1568	1306	1904	1586	2509	2090	3046	2538
138	138	1932	1609	2346	1954	3091	2575	3754	3128
165	165	2310	1924	2805	2336	3696	3079	4488	3739
SERIES"C"									
190	190	2660	2215	3230	2690	4256	3545	5168	4306
216	216	3024	2519	3672	3058	4838	4031	5875	4894
242	242	3388	2822	4114	3427	5421	4516	6582	5484
267	267	3738	3113	4539	3781	5981	4982	7262	6050
292	292	4088	3405	4964	4135	6540	5449	7942	6617

(Continued next page)

PENDELL STEEL HEATING BOILERS

SERIES "A", "B", "C", "D", "E", "F" - (Continued)

Boiler Number	Heating Surface Sq. Ft.	STEAM Ratings Sq. Ft. Hand Fired Gross	NET	Mech. Fired Gross	NET	WATER Ratings Sq. Ft. Hand Fired Gross	NET	Mech. Fired Gross	NET
SERIES "D"									
318	318	4452	3708	5406	4503	7123	5934	8650	7206
369	369	5166	4303	6273	5225	8266	6886	10037	8361
422	422	5908	4921	7174	5975	9453	7875	11478	9562
SERIES "E"									
472	472	6608	5504	8024	6683	10573	8808	12838	10695
522	522	7308	6087	8874	7391	11693	9740	14198	11828
573	573	8022	6681	9741	8114	12835	10692	15586	12984
SERIES "F"									
624	624	8736	7276	10608	8836	13977	11644	16973	14140
674	674	9436	7859	11458	9544	15098	12577	18333	15273
739	739	10346	8617	12563	10464	16554	13790	20100	16745

PENDELL TWO-PASS DRY BACK MARINE TYPE BOILERS

(Boiler Horse Power shown for Mech. Fired Forced Draft)

Boiler Number	Boiler H. P.	BTU's 1000's	E.D.R. Steam Gross	E.D.R. Steam NET	E.D.R. Water Gross	E.D.R. Water NET	Consumption Coal Lbs/hr	Oil G.P.H.
M228	40	1340	5550	4600	8850	7400	90	11
M285	50	1675	6975	5820	11170	9310	113	13.8
M360	63	2120	8800	7300	14200	11700	142	17.5
M430	75	2513	10463	8725	16750	13960	168	20.6
M500	87	2920	12206	10190	19500	16200	195	24.8
M570	100	3350	13950	11610	22350	18600	226	27.6
M610	110	3680	15400	12750	24600	20400	247	30.2
M760	133	4480	18700	15500	29700	24700	300	36.4
M860	150	5025	20926	17450	33500	27950	338	41.2
M1000	175	5860	24413	20380	39100	32600	392	47.8

PERCOFLASH

Diamalloy Mfg. Ltd.

PERCOFLASH BOILERS

Boiler Number	Installed Rad. Rating STEAM Sq. Ft.	 WATER Sq. Ft.	Water Line	Flue Size	Height to Crown Sheet
100	300	480	28	7	25
120	350	560	29	7	26
220	450	720	29	8	26
202	650	1040	29	8	26
203	850	1360	34	9	26
204	1125	1800	34	10	30
		COMMERCIAL SERIES			
402	1400	2240	34	10	30
403	1900	3040	34	10	30
404	2200	3520	34	12	30
405	3200	5000	34	12	30

Note: Ratings are NET Installed Radiation (240 Btu Steam - 150 Btu Water)

POWER-PAK

Made by Orr & Sembower, Inc.
Reading, Pa., USA

POWER-PAK PACKAGED AUTOMATIC BOILERS

OIL or GAS FIRED BOILERS

H.P.	GROSS BOILER OUTPUT BTU/HR	 lb.STEAM/HR	NET BOILER RATING STEAM EDR	 WATER EDR
8	267800	276	950	1518
15	502130	518	1780	2841
20	669500	690	2368	3795
25	836880	863	2961	4740

Portmar Boiler Co. Inc.
193 - 7th St. Brooklyn, NY.

PORTMAR OIL-FIRED BOILER-BURNER UNIT

Series Number	Forced Water NET Sq.Ft.	Forced Water BTU - Net	Heating Surface Sq. Ft.	Furnace Volume	Firing Rate Oil GPH.
DHO-58	580	87,000	19	2.9	1.
DHO-72	720	108,000	24	3.6	1.25
DHO-99	990	149,000	32	5.0	1.50

PORTMAR GAS-FIRED RESIDENTIAL BOILER-BURNER UNIT

Series Number	Forced Water Net Sq.Ft.	Forced Water BTU - Net	Heating Surface Sq. Ft.	Chimney Size	BTU Gas Input
DHG-58	580	87,000	19	7x7"x20'	140000
DHG-72	720	108,000	24	7x7"x20'	175000
DHG-99	990	149,000	32	7x7"x20'	255000

PORTMAR RESIDENTIAL STEEL BOILERS
"Vertical Tube Series" - Oil or Gas

Series Number	Forced Water Net Sq.Ft.	Gravity Water Net Sq.Ft.	Gravity Water BTU/hr	Forced Water BTU/hr	Heating Surface Sq. Ft.	Firing Rate GPH	Furn. Vol.
P-320	580	510	77000	87000	19	1-1.25	2.9
P-400	720	640	96000	108000	24	1.25-1.35	3.6
P-550	990	880	132000	149000	32	1.5-1.75	5.0
P-700	1260	1120	168000	189000	41	1.75-2.0	6.4
P-900	1620	1440	216000	243000	53	2.0-2.5	8.2
P-1100	1980	1760	264000	297000	65	3-3.5	10.

PORTMAR WINDSOR STEEL BOILERS (Horiz. Tube) OIL or GAS

Series Number	STEAM Rating NET Sq.Ft.	Forced WATER Net Sq.Ft.	Gravity Water NET Sq.Ft.	Heating Surface Sq. Ft.	Firing Rate GPH	Furnace Volume
PW-320	320	580	510	19	1	2.9
PW-400	400	720	640	24	1.25	3.6
PW-550	550	990	880	32	1.5	5.0
PW-700	700	1260	1120	41	1.75	6.4
PW-900	900	1620	1440	53	2.5	8.2
PW1100	1100	1980	1760	65	3.	10.
PW-1300	1300	2340	2080	77	4.	11.8
PW-1500	1500	2700	2400	88	4.5	13.6
PW-1800	1800	3240	2889	106	5.5	16.4
PW-2200	2200	3960	3520	129	6.	20.
PW-2600	2600	4680	4160	153	7.	23.6
PW-3000	3000	5400	4800	177	8.	27.3
PW-3500	3500	6300	....	206	11.	31.8
PW-4000	4000	7200	....	236	12.5	36.3
PW-4500	4500	8100	....	265	14.5	40.9
PW-5000	5000	9000	....	294	16.	45.4

PORTMAR

PORTMAR TYPE "C" STEEL BOILER

Series Number	STEAM Rating Sq. Ft.	WATER Rating Sq. Ft.	B.T.U. 1000's per hr.	Heatimg Surface Sq. Ft.	Furnace Volume Cu. Ft.	Stack Diameter
C-3650	3650	5840	876	215	26.1	16"
C-4250	4250	6800	1020	250	30.4	18"
C-4860	4860	7770	1166	286	34.8	18"
C-5470	5470	8750	1313	322	39.1	18"
C-6080	6080	9720	1459	358	43.5	20"
C-7290	7290	11660	1750	429	52.1	20"
C-8500	8500	13600	2040	500	60.8	22"
C-10330	10330	16520	2479	608	73.8	24"
C-12150	12150	19440	2916	715	86.8	26"
C-15180	15180	24280	3643	893	108.5	28"
C-18220	18220	29150	4373	1072	130.2	30"
C-21250	21250	34000	5100	1250	151.8	33"

RELIANCE

Reliance Welding & Boiler Works
Edmonton, Alta.
Liberty Boilers (Lethbridge) Ltd.

SERIES "300" WELDED STEEL BOILERS

Boiler Number	Heating Surface Sq. Ft.	STEAM Hand Fired NET	STEAM Stoker, Gas or Oil NET	WATER Hand Fired NET	WATER Stoker, Gas or Oil NET	Grate Area Sq. Ft.	Furnace Volume Cu. Ft.
300	80	933	1133	1493	1813	6.0	13
301	92	1073	1303	1717	2085	6.5	15
302	104	1213	1473	1941	2357	7.0	17
303	116	1353	1643	2165	2629	7.5	19
304	128	1492	1812	2388	2900	7.9	21
305	140	1632	1982	2612	3172	8.3	23
306	152	1772	2152	2836	3444	8.7	25

SERIES "300A" WELDED STEEL BOILERS

300A	110	1283	1558	2052	2492	7.3	15
301A	135	1574	1912	2519	3059	8.2	18
302A	160	1866	2266	2986	3626	8.9	21
303A	185	2157	2620	3452	4192	9.7	23
304A	210	2449	2974	3919	4759	10.4	26
305A	235	2740	3328	4385	5325	11.0	29

SERIES "300H" WELDED STEEL BOILERS

300H	134	1562	1897	2500	3036	8.1	15
301H	155	1807	2195	2892	3512	8.7	17
302H	176	2052	2492	3284	3988	9.4	19
303H	198	2309	2804	3695	4487	10.1	21
304H	220	2565	3115	4105	4985	10.6	23
305H	240	2798	3398	4478	5438	11.1	25
306H	262	3055	3710	4889	5937	11.6	27

Reliance Welding & Boiler Works
Edmonton, Alta.
Liberty Boilers (Lethbridge) Ltd.

(See also opposite page)

RELIANCE SERIES "360" WELDED STEEL BOILERS

		STEAM		WATER			
Boiler Number	Heating Surface Sq. Ft.	Hand Fired NET	Stoker, Gas or Oil NET	Hand Fired NET	Stoker, Gas or Oil NET	Grate Area Sq. Ft.	Furnace Volume Cu. Ft.
360	175	2041	2478	3266	3966	9.4	27
361	205	2390	2903	3825	4645	10.2	31
362	230	2682	3257	4292	5212	10.9	34
363	260	3032	3682	4852	5892	11.6	38
364	290	3381	4106	5411	6571	12.3	42

SERIES "420" WELDED STEEL BOILERS

420	354	4128	5013	6606	8022	14.3	45
421	396	4617	5607	7389	8973	15.5	49
422	438	5107	6202	7875	9563	16.6	54
423	480	5597	6797	8957	10877	17.6	58
424	543	6331	7689	10132	12304	19.1	65

SERIES "420H" WELDED STEEL BOILERS

420H	371	4366	5253	6923	8407	14.8	60
421H	414	4827	5862	7725	9381	16.0	67
422H	457	5329	6471	8528	10356	17.1	74
423H	500	5830	7080	9330	11330	18.1	80
424H	565	6588	8000	10543	12803	19.5	90

SERIES "480" WELDED STEEL BOILERS

480	434	5060	6145	8098	9834	16.5	64
481	488	5690	6910	9106	11058	17.8	71
482	542	6320	7675	10114	12282	19.0	78
483	596	6949	8439	11121	13505	20.2	85
484	650	7579	9204	12129	14729	21.2	92

SERIES "600" WELDED STEEL BOILERS

600	647	7544	9162	12073	14661	21.2	119
601	714	8325	10110	13323	16179	22.5	130
602	781	9106	11059	14573	17697	23.6	142
603	848	9888	12008	15824	19216	24.6	154

SERIES "600A" WELDED STEEL BOILERS

600A	914	10657	12942	17055	20711	25.9	124
601A	1011	11788	14316	18865	22909	27.4	135
602A	1108	12919	15689	20675	25107	28.8	146
603A	1205	14050	17063	22485	27305	30.2	157

Reliance Welding & Boiler Works
Edmonton, Alta.
Liberty Boilers (Lethbridge) Ltd.

SERIES "660" WELDED STEEL BOILERS

		STEAM		WATER			
Boiler Number	Heating Surface Sq. Ft.	Hand Fired NET	Stoker, Gas or Oil NET	Hand Fired NET	Stoker, Gas or Oil NET	Grate Area Sq. Ft.	Furnace Volume Cu. Ft.
660	910	10611	12886	16980	20621	25.8	138
661	1030	12010	14585	19220	23340	27.7	155
662	1150	13409	16284	21459	26059	29.5	172
663	1270	14808	17983	23698	28778	31.1	188
664	1390	16207	19682	25937	31497	32.7	205
665	1510	17607	21382	28177	34217	34.2	222

SERIES "720" WELDED STEEL BOILERS

720	1300	15158	18408	24258	29458	31.5	205
721	1435	16732	20320	26777	32517	33.3	226
722	1570	18306	22231	29296	35576	34.9	247
723	1705	19880	24143	31815	38635	36.4	267
724	1840	21454	26054	34334	41694	38.2	288

NOTE: Re: "Reliance" Ratings on this and preceding pages:

FOR STEAM HEATING: Rating based on 1 sq.ft. heating surface equal to 14 sq.ft. Gross Radiation or 11.66 sq.ft. Net Radiation for Hand Firing. 17.1 sq.ft. Gross Radiation or 14.16 sq.ft. Net Radiation for Mechanical Firing.

FOR HOT WATER HEATING: Rating based on 1 sq.ft. heating surface equal to 22.4 sq.ft. Gross Radiation or 18.66 sq.ft. Net Radiation for Hand Firing. 27.2 sq.ft. Gross Radiation or 22.66 sq.ft. Net Radiation for Mechanical Firing.

NOTE:
BTU's
in 1000s

GAS-FIRED HYDRONIC HEATING BOILERS
MANUFACTURED, NATURAL OR MIXED GAS
Letter "S" or "W" after Boiler No.

	FOR HOT WATER			STEAM OR VAPOR		A.G.A.	
Boiler Number	BTU/HR	150 Btu Emission SQ. FT.	200 Btu Emission SQ. FT.	BTU/HR	240 Btu Emission SQ. FT.	Output at Boiler BTU/HR	A.G.A. Input BTU/HR
G-3F	48	320	240	41	170	64	80
G-4F	66	440	330	56,8	235	88	110
G-5F	84	560	420	72,7	305	112	140
G-6F	102	680	510	88,9	370	136	170
G-7F	120	800	600	105,3	440	160	200
G-8F	138	920	690	121,8	505	184	230
G-9F	156	1040	780	138,3	575	208	260
G-10F	174	1160	870	154,9	645	232	290
PROPANE GAS or LP GAS-AIR MIXTURE							
G-3F	42	280	210	35,9	150	56	70
G-4F	58,8	390	295	50,3	210	78,4	98
G-5F	75,6	505	380	65,3	275	100,8	126
G-6F	92,4	615	460	80,3	335	123,2	154
G-7F	109,2	730	545	95,5	400	145,6	182
G-8F	126	840	630	110,7	460	168	210
G-9F	142,8	950	715	126,1	525	190,4	238
G-10F	159,6	1065	800	141,6	590	212,8	266
IMPERIAL GAS-FIRED HEATING BOILERS MANUFACTURED, NATURAL OR MIXED GAS Letter "S" or "W"after Boiler No.							
G-3F	48	320	240	41	170	64	80
G-4F	66	440	330	56,8	235	88	110
G-5F	84	560	420	72,7	305	112	140
G-6F	102	680	510	88,9	370	136	170
G-7F	120	800	600	105,3	440	160	200
G-8F	138	920	690	121,8	505	184	230
G-9F	156	1040	780	138,3	575	208	260
G-10F	174	1160	870	154,9	645	232	290
PROPANE GAS OR LP GAS-AIR MIXTURE							
G-3F	42	280	210	35,9	150	56	70
G-4F	58,8	390	295	50,3	210	78,4	98
G-5F	75,6	505	380	65,3	275	100,8	126
G-6F	92,4	615	460	80,3	335	123,2	154
G-7F	109,2	730	545	95,5	400	145,6	182
G-8F	126	840	630	110,7	460	168	210
G-9F	142,8	950	715	126,1	525	190,4	238
G-10F	159,6	1065	800	141,6	590	212,8	266

RHEEM
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Note :
BTU's
in 1000s

RHEEM HEAVY DUTY HEATING BOILERS
GAS FIRED TYPE G SERIES F
MANUFACTURED, NATURAL OR MIXED GAS

Boiler Number	A.G.A. INPUT BTU/HR	At BOILER A.G.A. OUTPUT	Hot Water BTU/HR	HOT WATER 150 BTU Emission SQ. FT.	 200 BTU Emission SQ. FT.	STEAM or VAPOR BTU/HR	 240 BTU Emission SQ. FT.
26F	340	272	204	1360	1020	183	760
27F	400	320	240	1600	1200	217	905
28F	460	368	276	1840	1380	252	1050
29F	520	416	312	2080	1560	287	1195
210F	580	464	348	2320	1740	322	1340
46F	680	544	408	2720	2040	382	1590
47F	800	640	480	3200	2400	454	1890
48F	920	736	552	3680	2760	528	2200
49F	1040	832	624	4160	3120	603	2515
67F	1200	960	720	4800	3600	704	2935
68F	1380	1104	828	5520	4140	819	3415
69F	1560	1248	936	6240	4680	936	3900
610F	1740	1392	1055	7035	5275	1055	4395
248F	1840	1472	1121	7475	5605	1121	4670
249F	2080	1664	1282	8545	6410	1282	5340
267F	2400	1920	1490	9935	7450	1490	6200
268F	2760	2208	1714	11425	8570	1714	7140
269F	3120	2496	1938	12920	9690	1938	8075
2610F	3480	2784	2162	14415	10810	2162	9005
PROPANE GAS OR L.P. GAS-AIR MIXTURE							
26F	308	246.4	185	1235	925	164	685
27F	364	291.2	218.5	1455	1090	196.5	815
28F	420	336	251	1675	1260	228.5	950
29F	476	380.8	286	1905	1430	261	1085
210F	532	425.6	319	2125	1595	293.5	1225
46F	616	492.8	369.5	2465	1850	343.5	1430
47F	728	582.4	437	2915	2185	410.5	1710
48F	840	672	504	3360	2520	479	1995
49F	952	761.6	571	3805	2855	547	2280
67F	1092	873.6	655	4365	3275	634	2640
68F	1260	1008	756	5040	3780	742	3090
69F	1428	1142.4	857	5715	4285	850	3540
610F	1596	1276.8	959	6395	4795	959	3995
248F	1680	1344	1015	6765	5075	1015	4230
249F	1904	1523.2	1164	7760	5820	1164	4850
267F	2184	1747.2	1352	9015	6760	1352	5630
268F	2520	2016	1565	10435	7825	1565	6520
269F	2856	2284.8	1774	11825	8870	1774	7390
2610F	3192	2553.6	1982.5	13215	9915	1982.5	8265

NOTE: Ratings for Hot Water and Steam above indicate the amount of equivalent direct cast iron radiation each boiler will supply under normal conditions and thermostatic control.

(DOMINION BRIDGE)

ROBB-VICTOR (CLASS "S") STEAM BOILERS

Boiler Size	Heating Surface Sq. Ft.	S.H.B.I. Ratings Hand Fired		S.H.B.I. Ratings Stoker, Gas, Oil		Grate Surface
		GROSS	NET	GROSS	NET	
S 80	90	1260	1049	1530	1275	5.07
S 100	112	1568	1306	1904	1586	6.08
S 125	138	1932	1609	2346	1954	7.55
S 150	165	2310	1924	2805	2336	7.55
S 175	190	2660	2215	3230	2690	9.70
S 200	216	3024	2519	3672	3058	9.70
S 225	242	3388	2822	4114	3427	11.1
S 250	267	3738	3113	4539	3781	12.1
S 275	292	4088	3405	4964	4135	12.1
S 300	318	4452	3708	5406	4503	13.6
S 350	369	5166	4303	6273	5225	13.75
S 400	422	5908	4921	7174	5975	15.5
S 450	472	6608	5504	8024	6683	17.7
S 500	522	7308	6087	8874	7391	19.7
S 550	573	8022	6681	9741	8114	19.7
S 600	624	8736	7276	10608	8836	20.
S 650	674	9436	7859	11458	9544	22.2
S 700	739	10346	8617	12563	10464	22.2
S 800	839	11746	9782	14263	11880	24.5
S 900	940	13160	10960	15980	13310	27.
S 1000	1040	14560	12126	17680	14726	32.6
S 1100	1145	16030	13351	19465	16213	32.6
S 1200	1245	17430	14517	21165	17629	32.6
S 1300	1362	19068	15881	23154	19286	35.2
S 1500	1564	21896	18236	26588	22146	38.4
S 1600	1682	23548	19612	28594	23817	41.6
S 1700	1787	25018	20836	30379	25302	41.6
S 1800	1887	26418	22002	32079	26720	44.8
S 2000	2087	29218	24334	35479	29552	44.8
S 2200	2314	32396	26981	39338	32766	48.3
S 2400	2520	35280	29383	42840	35682	51.7

ROBB-VICTOR (CLASS "W") HOT WATER BOILERS

Boiler Size	Heating Surface Sq. Ft.	S.H.B.I. Ratings Hand Fired		S.H.B.I. Ratings Stoker, Gas, Oil		Grate Surface
		GROSS	NET	GROSS	NET	
W 100	112	2509	2090	3046	2538	6.08
W 125	138	3091	2575	3754	3128	7.55
W 150	165	3696	3079	4488	3739	7.55
W 175	190	4256	3545	5168	4306	9.70
W 200	216	4838	4031	5875	4894	9.70
W 225	242	5421	4516	6582	5484	11.10
W 250	267	5981	4982	7262	6050	12.10
W 275	292	6540	5449	7942	6617	12.10
W 300	318	7123	5934	8650	7206	13.60
W 350	369	8266	6886	10037	8361	13.75

(Continued Overleaf)

ROBB-VICTOR HOT WATER BOILERS (continued from 113)

Boiler Size	Heating Surface	Hand Fired Gross	Hand Fired NET	Stoker, Gas or Oil Gross	Stoker, Gas or Oil NET	Grate Surface
W 400	422	9453	7875	11478	9562	15.50
W 450	472	10573	8808	12838	10695	15.8
W 500	522	11693	9740	14198	11828	19.70
W 550	573	12835	10692	15586	12984	19.70
W 600	624	13977	11644	16973	14140	20.
W 650	674	15098	12577	18333	15273	22.2
W 700	739	16554	13790	20100	16745	22.2
W 800	839	18793	15656	22820	19011	24.5
W 900	940	21056	17540	25568	21310	27.
W 1000	1040	23296	19406	28288	23566	32.6
W 1100	1145	25648	21366	31144	25946	32.6
W 1200	1245	27888	23232	33864	28212	32.6
W 1300	1362	30508	25415	37046	30862	35.2
W 1400	1462	32749	27281	39766	33128	35.2
W 1500	1564	35034	29184	42540	35400	38.4
W 1600	1682	37677	31386	41750	38114	41.6
W 1700	1787	40029	33345	48606	40493	41.6
W 1800	1887	42268	35211	51326	42759	44.8
W 2000	2087	46749	38943	56756	47291	44.8
W 2200	2314	51834	43179	62942	52436	48.3
W 2400	2520	56448	47023	68544	57102	51.7

"SIRDAR" ROUND HOT WATER BOILERS

Boiler Size	NET Rating Sq. Ft.	Grate Size	Base Diameter	Ashpit Height High	Ashpit Height Low	Smoke Pipe
A-15-W	200	15"	23-1/4"	18-13/16"	12-3/4"	7"
B-15-W	235	15"	23-1/4"	18-13/16"	12-3/4"	7"
A-17-W	250	17"	24-7/8"	19-3/8"	12-3/4"	7"
B-17-W	300	17"	24-7/8"	19-3/8"	12-3/4"	7"
C-17-W	325	17"	24-7/8"	19-3/8"	12-3/4"	7"
A-19-W	350	19"	27-1/4"	19-7/8"	12-3/4"	8"
B-19-W	365	19"	27-1/4"	19-7/8"	12-3/4"	8"
C-19-W	420	19"	27-1/4"	19-7/8"	12-3/4"	8"
A-22-W	475	22"	30-1/2"	20-5/8"	13"	9"
B-22-W	500	22"	30-1/2"	20-5/8"	13"	9"
C-22-W	575	22"	30-1/2"	20-5/8"	13"	9"
A-25-W	600	25"	33-1/2"	21-1/8"	13"	10"
B-25-W	675	25"	33-1/2"	21-1/8"	13"	10"
C-25-W	825	25"	33-1/2"	21-1/8"	13"	10"
A-28-W	850	28"	37-1/2"	21-3/8"	13"	11"
B-28-W	950	28"	37-1/2"	21-3/8"	13"	11"
C-28-W	1100	28"	37-1/2"	21-3/8"	13"	11"
A-31-W	1250	31"	39-3/4"	22-1/2"	13"	12"
B-31-W	1265	31"	39-3/4"	22-1/2"	13"	12"
C-31-W	1500	31"	39-3/4"	22-1/2"	13"	12"
A-34-W	1600	34"	42-5/8"	27-7/8"	13"	13"
B-34-W	1725	34"	42-5/8"	27-7/8"	13"	13"
C-34-W	2000	34"	42-5/8"	27-7/8"	13"	13"

J-L SERIES SPENCER CAST IRON SECTIONAL STEAM & WATER BOILERS

(Made by Spencer Foundry Co. Ltd., Penetang, Ont.)

Boiler Number	Direct Rating Load		Grate Area	Smoke Pipe
	STEAM	WATER		
J-L 3	175	290	1.30	8"
J-L 4	265	440	1.90	8"
J-L 5	355	590	2.50	8"
J-L 6	445	740	3.10	8"
	L-1 SERIES SPENCER C.I. SECTIONAL BOILERS			
L 105	390	645	2.60	10"
L 106	510	845	3.33	10"
L 107	630	1045	4.07	10"
L 108	750	1245	4.80	10"
	L-2 SERIES SPENCER C.I. SECTIONAL BOILERS			
L 205	550	910	3.63	11"
L 206	725	1200	4.66	11"
L 207	900	1490	5.68	11"
L 208	1075	1730	6.70	11"
L 209	1250	2070	7.73	11"
L 210	1425	2360	8.76	11"
	SPENCER M-6 SELF-FEEDING STEAM & WATER BOILERS			
M-6 5	2000	3200	12.2	14"
M-6 6	2300	3680	14.0	14"
M-6 7	2600	4160	15.8	14"
M-6 8	2900	4640	17.6	14"
M-6 9	3200	5120	19.4	14"
M-6 10	3500	5600	21.2	14"
	SPENCER M-7 SELF-FEEDING BOILERS			
M-7 6	4000	6400	19.0	18"
M-7 7	4700	7520	22.0	18"
M-7 8	5400	8640	25.0	18"
M-7 9	6100	9760	28.0	18"
M-7 10	6800	10880	31.0	18"
	SPENCER M-8 SELF-FEEDING BOILERS			
M-8 6	8000	ADD	32.36	24"
M-8 7	9750	60%	37.02	24"
M-8 8	11500	TO	41.68	24"
M-8 9	13250	STEAM	46.34	24"
M-8 10	15000	RATINGS	51.0	24"

NOTE: Ratings given above include provision for heat loss in covered mains, risers and returns for peak loads.

**The Spencer Heater
Co. of Canada**

SPENCER SERIES 27 BOILERS
(Ratings given appear to be Net)

Boiler Number	WATER Sq. Ft.	STEAM Sq. Ft.	Grate Area	Smoke Outlet
274	1600	1000	4.38	12"
275	2100	1300	5.84	12"
276	2600	1600	7.31	12"
277	3100	1900	8.78	12"
278	3600	2200	10.29	12"
279	4100	2500	11.79	12"
2710	4600	2800	13.27	12"
		SERIES 15		
15-4	600	375	2.29	10"
15-5	800	505	3.02	10"
15-6	1000	630	3.78	10"
15-7	1200	760	4.54	10"
15-8	1400	900	5.30	10"

SPENCER L-3 C.I. SECTIONAL BOILERS

Boiler Number	STEAM Sq. Ft.	WATER Sq. Ft.	Grate Area	Smoke Pipe
L 306	1500	2475	9.33	14"
L 307	1850	3050	11.37	14"
L 308	2200	3625	13.41	14"
L 309	2550	4200	15.45	14"
L 310	2900	4775	17.49	14"
L 311	3250	5350	19.53	14"
L 312	3600	5925	21.57	14"

SPENCER SURFACE-FEED STEAM BOILERS

Boiler No.	NET Rating	GROSS Rating	Grate Area	Breeching Outlet	Breeching Diameter
36-1	2600	3500	8	18x16"	18"
36-2	3050	4125	9	18x16"	18"
36-3	3500	4750	10	18x18"	20"
36-4	3950	5375	11	18x18"	22"
36-5	4400	6000	12	18x20"	22"
66-1	5300	6800	16	18x28"	24"
66-2	6200	8000	18	18x28"	24"
66-3	6700	8800	20	18x30"	26"
66-4	7200	9500	22	18x30"	26"
66-5	7700	10100	24	18x32"	28"
96-1	9000	12500	24	18x32"	28"
96-2	9600	13500	27	18x36"	28"
96-3	10200	15000	30	18x38"	30"
96-4	10900	16500	33	18x40"	30"
96-5	11500	18000	36	18x42"	30"

NOTE: Above boilers were said to have been constructed for 30 lb operating pressure.

SPENCER SELF FEEDING STEAM BOILERS

Boiler No.	GROSS Rating	Grate Area	Diam. Breeching
8	1600	6.90	12"
9	1800	7.50	12"
10	1900	8.13	12"
11	2000	8.75	12"
12	2400	9.38	12"
13	2500	10.00	12"
14	2600	10.62	12"
15	3000	11.84	16"
16	3250	12.75	16"
17	3500	13.50	16"
18	3750	14.25	16"
19	4000	15.00	16"
20	4500	16.50	16"
21	5000	18.00	16"
22 (double type)	5500	25.5	20"
23 " "	6000	27.0	20"
24 " "	7000	28.5	20"
25 " "	8000	30.0	20"
26 " "	9000	33.0	20"
27 " "	10000	36.0	20"

SPENCER "STANDARD" STEEL BOILER - TYPE A

Boiler Number	WATER Coal Sq. Ft.	WATER Oil Sq. Ft.	Heating Surface	Grate Area	Grate Width	Grate Length	Smoke Pipe
A28-1	800	1000	50.6	3.2	23"	20"	12"
A28-2	1000	1300	61.6	4.1	23"	26"	12"
A28-3	1400	1820	72.6	5.1	23"	32"	12"
A28-4	1600	2100	83.6	6.1	23"	38"	12"
A32-5	2000	2600	102.	7.	26"	38½"	14"
A32-6	2600	3400	114.	8.	26"	44½"	14"
A32-7	2900	3800	127.	9.1	26"	50½"	14"
A32-8	3250	4200	139.	10.2	26"	56½"	14"

SPENCER "STANDARD" STEEL BOILER - TYPE A

Boiler Number	STEAM Sq. Ft.	Heating Surface	Grate Area	Firebox Length	Firebox Width	Firebox Height	Smoke Pipe
A 36-9	2350	167	9.1	44"	30"	26"	22"
A 36-10	2650	189	10.6	51"	30"	26"	22"
A 36-11	3200	227	11.7	63"	30"	26"	22"
A-36-12	3600	256	11.7	72"	30"	26"	22"
A 42-13	4200	297	12.5	67"	36"	29"	24"
A 42-14	4800	344	14.0	77"	36"	29"	24"
A 42-15	5200	367	15.5	89"	36"	29"	24"
A 48-16	6000	427	18.0	72"	42"	32"	26"
A-48-17	6500	464	19.8	79"	42"	32"	26"
A 48-18	7100	501	21.6	86"	42"	32"	26"
A 54-19	8300	592	22.6	85½"	48"	34"	28"

(Continued Overleaf)

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SPENCER "STANDARD" STEEL BOILER - TYPE A (continued)

Boiler Number	STEAM Sq. Ft.	Heating Surface	Grate Area	Firebox Length	Firebox Width	Firebox Height	Smoke Pipe
A 54-20	9600	683	24.6	99½"	48"	34"	28"
A 60-21	11500	796	24.8	89"	52½"	35"	32"
A 60-22	12500	872	26.7	98"	52½"	35"	32"
A 66-23	14500	1047	27.6	102"	58½"	37"	34"
A 66-24	16750	1193	30.0	117"	58½"	37"	34 "
A 72-25	18400	1313	33.6	120"	64"	40"	36"
A 72-26	20250	1438	35.5	132"	64"	40"	36"
A 78-27	22000	1552	36.0	134"	70"	42"	40"
A 78-28	24500	1730	38.8	143"	70"	42"	40"
A 84-29	28600	2038	42.3	135"	76"	42"	42"
A 84-30	32500	2301	45.4	153"	76"	42"	42"

SPENCER "STANDARD" STEAM & HOT WATER STEEL HEATING BOILERS

Boiler Number	STEAM - NET Ratings Hand Fired Sq. Ft.	STEAM - NET Ratings Stoker or Oil Sq. Ft.	WATER - NET Ratings Hand Fired Sq. Ft.	WATER - NET Ratings Stoker or Oil Sq. Ft.	Heating Surface Sq. Ft.	Grate Area Sq.Ft.
28-1	583	708	933	1133	50	3.2
28-2-B	758	920	1213	1473	65	4.4
28-4	933	1133	1493	1813	80	6.1
32-5	1166	1416	1866	2266	100	7.
32-7	1458	1770	2333	2833	125	9.1
32-8-B	1749	2124	2799	3399	150	11.2
36-9-B	2041	2478	3266	3966	175	9.1
36-10-B	2332	2832	3732	4532	200	10.6
36-11	2624	3186	4199	5099	225	11.7
36-12	2915	3540	4665	5665	250	11.7
36-12-B	3207	3894	5132	6232	275	12.9
42-13	3498	4248	5598	6798	300	12.5
42-14	4081	4956	6531	7931	350	14.0
42-15-B	4664	5664	7464	9064	400	17.0
48-16-B	5247	6372	8397	10197	450	18.0
48-18	5830	7080	9330	11330	500	21.6
48-18-B	6413	7788	10263	12463	550	23.3
54-19	6996	8496	11196	13596	600	22.6
54-20-A	7579	9204	12129	14729	650	22.6
54-20-B	8162	9912	13062	15862	700	24.6
60-21	9328	11328	14928	18128	800	24.8
60-22-B	10494	12744	16794	20394	900	26.7
66-23-A	11660	14160	18660	22660	1000	27.6
66-23-B	12826	15576	20526	24926	1100	30.
66-24	13992	16992	22392	27192	1200	30.
72-25	15158	18408	24258	29458	1300	33.6
72-26	16324	19824	26124	31724	1400	35.5
78-27-A	17490	21240	27990	33990	1500	36.
78-27-B	18656	22656	29856	36256	1600	36.
78-28	19822	24072	31722	38522	1700	38.8

NOTE: See also "OAKWOOD" Spencer.
Boilers on this page were made by Spencer Foundry Co. Ltd., Penetang, Ont.. Since 1944 "Spencer" Boilers have been made by OAKWOOD IRON WORKS LTD.

SPENCER "STANDARD" STEAM & HOT WATER STEEL BOILERS

Boiler Number	Direct Radiation STEAM Sq. Ft.	Direct Radiation WATER Sq. Ft.	Grate Area Sq.Ft.	Heating Surface Sq. Ft.	-- Firebox -- Length	-- Firebox -- Width	-- Firebox -- Height	Smoke Pipe
A-28-1	500	800	3.2	50.6	20"	23"	21½"	12"
A-28-2	610	976	4.1	61.6	26"	23"	21½"	12"
A-28-3	790	1264	5.1	72.6	32"	23"	21½"	12"
A-28-4	900	1440	6.1	83.6	38"	23"	21½"	12"
A-32-5	1220	1952	7.	102.	38½"	26"	24"	14"
A-32-6	1350	2160	8.	114.	44½"	26"	24"	16"
A-32-7	1500	2400	9.1	127.	50½"	26"	24"	16"
A-32-8	1650	2640	10.2	139.	56½"	26"	24"	16"
A-36-9	2000	3200	9.1	167.	44"	30"	26"	18"
A-36-10	2250	3600	10.6	189.	51"	30"	26"	20"
A-36-11	2700	4320	11.7	227.	63"	30"	26"	20"
A-36-12	3050	4880	11.7	256.	72"	30"	26"	20"
A-42-13	3550	5680	12.5	297.	67"	36"	29"	22"
A-42-14	4100	6560	14.0	344.	77"	36"	29"	22"
A-42-15	4400	7040	15.5	367.	89"	36"	29"	22"
A-48-16	5100	8160	18.0	427.	72"	42"	32"	24"
A-48-17	5550	8880	19.8	464.	79"	42"	32"	24"
A-48-18	6000	9600	21.6	501.	86"	42"	32"	26"
A-54-19	7100	11360	22.6	592.	85½"	48"	34"	26"
A-54-20	8150	13040	24.6	683.	99½"	48"	34"	28"
A-60-21	9550	ADD	24.8	796.	89"	52½"	35"	30"
A-60-22	10450	60%	26.7	872.	98"	52½"	35"	30"
A-66-23	12550	TO	27.6	1047.	102"	58½"	37"	32"
A-66-24	14300	STEAM	30.	1193.	117"	58½"	37"	32"
A-72-25	15750	RATING	33.6	1313.	120"	64"	40"	34"
A-72-26	27250	FOR	35.5	1438.	132"	64"	40"	34"
A-78-27	18600	THESE	36.	1552.	134"	70"	42"	38"
A-78-28	20750	HOT	38.8	1730.	143"	70"	42"	38"
A-84-29	24450	WATER	42.3	2038.	135"	76"	42"	40"
A-84-30	27600	BOILERS	45.4	2301.	153"	76"	42"	40"

NOTE: Ratings given above were said to include ample provision for heat loss in covered mains, risers and returns and for peak loads.

SUPREME WELDED HEATING BOILERS

Class "S" Boilers are for Steam
Class "L" & "W" are for Hot Water

Size Number	Hand Fired SHBI GROSS Rating Class "S" STEAM	Class "L" WATER	Class "W" WATER	Heating Surface "S & L"	"W"	Grate Surface "S & L"	"W"	Smoke Pipe "S&L"	"W"
4	1050	1680	2240	75	100	3.33	4.44	10	12
5	1190	1904	2464	85	110	4.33	5.62	11	13
6	1400	2240	2688	100	120	4.33	5.62	12	13
7	1624	2598	3226	116	144	5.40	6.75	13	14
8	1820	2912	3629	130	162	6.66	8.40	14	16
9	2450	3920	4592	175	205	8.60	10.	15	17
10	3010	4816	5488	215	245	10.	12.	16	18
11	3500	5600	7168	250	320	11.	14.	17	20
12	4200	6720	8445	300	377	12.50	15.80	18	20
13	4900	7340	9408	350	420	12.83	16.	19	22
14	5600	8960	10976	400	490	14.60	18.	20	22
15	5852	9363	11648	418	520	16.66	20.	20	22
16	6300	10080	12096	450	540	16.66	20.	22	24
17	6860	10976	13261	490	592	18.66	23.	22	24
18	7560	12096	14896	540	665	18.75	23.	24	26
19	8764	14022	16800	626	750	21.	26.	24	26
20	9366	14986	18368	669	820	23.25	29.	26	28
21	10710	17136	20317	765	907	25.83	30.	26	28
22	12194	19510	23072	871	1030	28.33	33.	28	30
23	12474	19958	24640	891	1100	31.16	36.	30	33
24	14224	22758	28448	1016	1270	34.	40.	30	34
25	15540	24864	30464	1110	1360	34.	42.	32	36
26	17500	28000	32928	1250	1470	37.	43.66	34	36
27	18536	29658	34720	1324	1550	36.83	45.	34	36
28	21000	33600	38640	1500	1725	40.	46.	36	40
29	23324	37318	42560	1666	1900	43.33	50.	36	40
30	24864	39782	47040	1776	2100	46.66	52.	38	42
31	27608	44173	51520	1972	2300	46.66	55.	40	44
32	30352	48563	57120	2168	2550	50.	57.	42	48
33	33096	52954	60480	2364	2700	53.66	60.	42	48

Note: ADD to ratings 22% for stoker, oil or gas firing.

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SUPREME CLASS "S" WELDED BOILERS - STEAM

Boiler Number	Hand Fired		Stoker, Gas, Oil		Heating Surface	Grate Surface
	GROSS	NET	GROSS	NET		
B 4	910	758	1105	920	65	4.33
B 5	1120	933	1360	1133	80	5.33
6	1400	1166	1700	1416	100	6.33
7A	1750	1458	2125	1770	125	7.90
8A	2100	1749	2550	2124	150	9.15
9	2450	2041	2975	2478	175	10.
B 10	2800	2332	3400	2832	200	11.12
10A	3150	2624	3825	3186	225	12.20
11	3500	2915	4250	3540	250	12.50
11A	3850	3207	4675	3894	275	14.
12	4200	3498	5100	4248	300	15.
13	4900	4081	5950	4960	350	15.75
14	5600	4664	6800	5664	400	16.50
16	6300	5247	7650	6372	450	18.50
17A	7000	5830	8500	7080	500	20.50
18A	7700	6413	9350	7788	550	21.
B 19	8400	6996	10200	8496	600	23.25
B 20	9100	7579	11050	9204	650	25.30
20A	9800	8162	11900	9912	700	28.30
21A	11200	9328	13600	11328	800	30.80
23A	12600	10494	15300	12744	900	33.80
B 24	14000	11660	17000	14160	1000	36.75
B 25	15400	12826	18700	15576	1100	37.
B 26	16800	13992	20400	16992	1200	40.
B 27	18200	15158	22100	18408	1300	43.25
27A	19600	16324	23800	19824	1400	44.
28	21000	17490	25500	21240	1500	45.
28A	22400	18656	27200	22656	1600	46.50
29A	23800	19822	28900	24072	1700	48.
30A	25200	20988	30600	25488	1800	50.
B 32	28000	23320	34000	28320	2000	53.50
B 33	30800	25652	37400	31152	2200	57.
33A	33600	27984	40800	33984	2400	60.
			WATER			
B 4	1456	1213	1768	1473	65	4.33
B 5	1792	1493	2176	1813	80	5.33
6	2240	1866	2720	2266	100	6.33
7A	2800	2333	3400	2833	125	7.90
8A	3360	2799	4080	3399	150	9.15
9	3920	3266	4760	3966	175	10.
B 10	4480	3732	5440	4532	200	11.12
10A	5040	4199	6120	5099	225	12.20
11	5600	4665	6800	5665	250	12.50
11A	6160	5132	7480	6232	275	14.
12	6720	5598	8160	6798	300	15.
13	7840	6531	9520	7931	350	15.75

(Continued next page)

SUPREME WELDED BOILERS - WATER (continued)

Boiler Number	Hand Fired GROSS	Hand Fired NET	Stoker, Gas, Oil GROSS	Stoker, Gas, Oil NET	Heating Surface	Grate Surface
14	8960	7464	10880	9064	400	16.50
16	10080	8397	12240	10197	450	18.50
17A	11200	9330	13600	11330	500	20.50
18A	12320	10263	14960	12463	550	21.
B 19	13440	11196	16320	13596	600	23.25
B 20	14560	12129	17680	14729	650	25.30
20A	15680	13062	14040	15862	700	28.30
21A	17920	14978	21760	18128	800	30.80
23A	20160	16794	24480	20394	900	33.80
B 24	22400	18660	27200	22660	1000	36.75
B 25	24640	20526	29920	24926	1100	37.
B 26	26880	22892	32640	27192	1200	40.
B 27	29120	24258	35360	29458	1300	43.25
27A	31360	26124	38080	31724	1400	49.
28	33600	27990	40800	33990	1500	45.
28A	35840	29856	43520	36256	1600	46.50
29A	38080	31722	46240	38522	1700	48.
30A	40320	33588	48960	40788	1800	50.
B 32	44800	37320	54400	45320	2000	53.50
B 33	49280	41052	59840	49852	2200	57.
33A	53760	44784	65280	54384	2400	60.

"MONARCH" - "12" SERIES BOILERS

Boiler Number	NET Rating - Square Feet Hand Fired	 Oil Fired	Grate Area Sq. Ft.	Smoke Pipe
270	270	370	1.11	7"
370	370	460	1.48	7"
460	460	560	1.85	7"
560	560	660	2.21	7"

"MONARCH SQUARE" - 18 & 18A SERIES BOILERS

Boiler Number	NET Rating - Square Feet WATER Coal	 Mech.	 STEAM Coal	 Mech.	Tank Capacity Imp. Gal.	Grate Area Sq. Ft.	Firebox Size
18-4	360	...	...	...	420	...	....
18-5	480	550	300	...	580	1.91	17x16½"
18-6	600	690	375	...	740	2.41	17x20-3/4"
18-7	720	830	450	540	900	2.91	17x25"
18-8	840	965	525	600	1050	3.41	17x29-1/4 "
18-9	960	1100	600	690	1200	3.91	17x33½"
18-10	1080	1190	675	745	1360	4.41	17x37-3/4"
18-11	1200	1320	750	825	1510	4.91	17x42"
18-12	1320	1450	825	910	1860	5.41	17x46-1/4"

NOTE: Diameter of Smoke Pipe - 9"
Distance from Grates to Crown Sheet - 22½"
Minimum width of firebox for stoker or other appliances - 16-1/4"

"MONARCH 25" SERIES SQUARE SECT. BOILERS

Boiler Number	NET Rating - Square Feet COAL Burning WATER	 STEAM	 OIL Burning WATER	 STEAM	Grate Area Sq. Ft.	Firebox Size	Smoke Pipe
6-25	930	580	955	605	3.20	23x20"	12"
7-25	1160	725	1185	750	4.	23x25"	12"
8-25	1400	870	1415	895	4.80	23x30"	12"
9-25	1620	1015	1645	1040	5.60	23x35"	12"
10-25	1850	1155	1375	1180	6.40	23x40"	12"
11-25	2080	1300	2105	1325	7.20	23x45"	12"
12-25	2310	1445	2335	1470	8.	23x50"	12"
13-25	2540	1590	2565	1615	8.80	23x55"	12"

NOTE: Minimum width for stoker or other appliances - 21"
Distance from grate to crown sheet - 21½"
Distance from bottom of section to crown sheet - 23½"
Distance from bottom of fire door to bottom of section - 11½"
Size of fire door -17½ x 10"

"MONARCH 30 & 40" SERIES SQUARE BOILERS

Boiler Number	NET Rating WATER	NET Rating STEAM	Grate Area Sq. Ft.	Firebox Size	Smoke Pipe
5-30	1650	1020	6.10	28x33-1/8"	15½"
6-30	2040	1270	7.64	28x41-1/2"	15½"
7-30	2480	1550	9.20	28x49-7/8"	15½"
8-30	2910	1810	10.72	28x58-1/4"	15½"
9-30	3220	2020	12.26	28x66-5/8"	15½"
10-30-	3680	2310	12.26	28x66-5/8"	15½"
11-30	4140	2600	12.26	28x66-5/8"	15½"
12-30	4600	2890	12.26	28x66-5/8"	15½"
5-40	2500	1650	8.72	40x32-3/4"	21"
6-40	3300	2100	10.97	40x41-1/4"	21"
7-40	4250	2675	13.22	40x49-3/4"	21"
8-40	5000	3125	15.47	40x58-1/4"	21"
9-40	5700	3550	17.70	40x66-5/8"	21"
10-40	6400	4000	17.70	40x66-5/8"	21"
11-40	7100	4430	17.70	40x66-5/8"	21"
12-40	7800	4875	17.70	40x66-5/8"	21"
13-40	8500	5300	19.92	40x75"	21"
14-40	9200	5750	19.92	40x75"	21"

NOTE: "30" SERIES

Minimum width of firebox for stoker or other appliances - 26½"
Size of fire door - 18x10"
Distance from grates to crown sheet - 20-3/4"

"40" SERIES

Minimum width of firebox for stoker or other appliances - 38-1/4"
Size of fire door - 24x13"
Distance from grates to crown sheet - 23½"

Feb. 20, 1908

SOVEREIGN HOT WATER BOILERS

(NOTE: Ratings DO NOT include Mains)

Boiler Number	Capacity Radition Sq. Ft.	Capacity Inch Pipe Not Mains	Firepot Diameter Inches	Firepot Depth Inches	Grate Area Inches	Smoke Pipe Diameter
0	200	600	16½	17-3/4	213	7"
1	267	800	16½	17-3/4	213	7"
2	400	1200	19½	18-1/4	298	7"
3	600	1800	21½	18-3/4	363	8"
4	800	2400	24½	19-1/4	471	8"
5	1000	3000	26½	19-3/4	551	10"
6	1200	3600	28½	20-1/4	638	10"
6½	1500	4500	30½	20-3/4	730	10"
7	1800	5400	32½	21-1/4	829	12"
8	2400	7200		21-1/4		12"

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SOVEREIGN HOT WATER BOILER

Boiler Number	NET Capacity	GROSS Capacity	Firepot Diameter	Firepot Depth	Smoke Pipe
0	200	300	16-1/2"	17-3/4"	7"
00	227	340	16-1/2"	17-3/4"	7"
1	250	375	16-1/2"	17-3/4"	7"
1½	300	450	19-1/2"	18-1/4"	7"
2	365	550	19-1/2"	18-1/4"	7"
2½	420	625	21-1/2"	18-3/4"	8"
3	500	750	21-1/2"	18-3/4"	8"
3½	585	875	24-1/2"	19-1/4"	8"
4	685	1025	24-1/2"	19-1/4"	8"
4½	750	1125	26-1/2"	19-3/4"	10"
5	835	1250	26-1/2"	19-3/4"	10"
5½	935	1400	28-1/2"	20-1/4"	10"
6	1000	1500	28-1/2"	20-1/4"	10"
6A	1100	1650	30-1/2"	20-3/4"	10"
6½	1250	1875	30-1/2"	20-3/4"	12"
6½A	1350	2025	32-1/2"	21-1/4"	12"
7	1500	2250	32-1/2"	21-1/4"	12"
7½	1765	2650	36"	21-1/4"	12"
8	2000	3000	36"	21-1/4"	12"

NOTE: SOVEREIGN BOILERS below are same as above BUT ratings are different - probably earlier.

0	170		16-1/2"	17-3/4"	7"
1	233		16-1/2"	17-3/4"	7"
2	335		19-1/2"	18-1/4"	7"
3	500		21-1/2"	18-3/4"	8"
4	667		24-1/2"	19-1/4"	8"
5	833		26-1/2"	19-3/4"	10"
6	1000		28-1/2"	20-1/4"	10"
6½	1250		30-1/2"	20-3/4"	10"
7	1500		32-1/2"	21-1/4"	12"
8	2000		36"	21-1/4"	12"

"NEW SOVEREIGN" HOT WATER BOILERS

Boiler Number	NET Rating Sq. Ft.	Fire Pot Diameter	Fire Pot Depth	Smoke Pipe
0-C	225	16½"	17-3/4"	7"
1-C	250	16½"	17-3/4"	7"
1½-C	300	19½"	18-1/4"	7"
2-C	365	19½"	18-1/4"	7"
2½-C	420	21½"	18-3/4"	8"
3-C	500	21½"	18-3/4"	8"
3½-C	575	24½"	19-1/4"	8"
4-C	675	24½"	19-1/4"	8"
4½-C	775	26½"	19-3/4"	10"
5-C	825	26½"	19-3/4"	10"
5½-C	950	28½"	20-1/4"	10"
6-C	1025	28½"	20-1/4"	10"

(Continued Overleaf)

"NEW SOVEREIGN" HOT WATER BOILERS (continued)

Boiler Number	NET Rating Sq. Ft.	Fire Pot Diameter	Fire Pot Depth	Smoke Pipe
6-AC	1100	30½"	20-3/4"	10"
6½-C	1265	30½"	20-3/4"	10"
6½-AC	1350	32½"	21-1/4"	12"
7-C	1500	32½"	21-1/4"	12"
7½-C	1725	36"	21-1/4"	12"
8-C	2000	36"	21-1/4"	12"

NOTE: The ratings are catalogue (above). All are for direct radiation and further provide that in estimating the size of boiler all piping (mains and risers) (flow & return) shall be figured as radiating surface in addition to the cast iron direct radiation used.

"NEW MONARCH" ROUND BOILERS

Boiler Numbers		NET Rating - Sq.Ft. WATER	STEAM	Grate Area	Grate Diameter	Combustion Height	Smoke Pipe
913	1704	275	...	1.8	17"	24-1/4"	7"
914	1705	300	...		17"	24-1/4"	7"
923	1904	365	...	1.97	19"	26-1/2"	7"
924	1905	365	180	1.97	19"	26-1/2"	7"
	1906	420	210	1.97	19"	26-1/2"	7"
933	2204	450	...	2.52	21½"	26-3/4"	8"
934	2205	500	240	2.52	21½"	26-3/4"	8"
935	2206	575	270	2.52	21½"	26-3/4"	8"
	2207	650	300	2.52	21½"	26-3/4"	8"
943	2504	645	...	3.27	25"	26-3/4"	9"
944	2505	675	310	3.27	25"	26-3/4"	9"
945	2506	775	340	3.27	25"	26-3/4"	9"
	2507	820	380	3.27	25"	26-3/4"	9"
953	2804	835	...	4.27	28"	26-3/4"	9"
954	2805	875	480	4.27	28"	26-3/4"	9"
955	2806	950	540	4.27	28"	26-3/4"	9"
	2807	1025	600	4.27	28"	26-3/4"	9"
963	3104	1100	...	5.24	31"	26-3/4"	10"
964	3105	1200	660	5.24	31"	26-3/4"	10"
965	3106	1265	740	5.24	31"	26-3/4"	10"
	3107	1500	820	5.24	31"	26-3/4"	10"

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WESTERN JR. BOILERS

Boiler Number	WATER GROSS Capacity	STEAM GROSS Capacity	Firepot Diameter	Diam. of Smoke Pipe
1	400	250	16"	6"
2	525	325	19"	7"
3	625	375	20½"	8"
4	825	500	24"	8"
5	1150	700	28"	9"
6	1575	950	30½"	9"

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WESTERN JUNIOR BOILERS - WATER & STEAM

Boiler Number	Capacity NOT incl. Mains WATER	STEAM	Firepot Diam.	Smoke Pipe
1	210	225	16"	8"
2	310	300	19"	8"
3	460	400	20½"	9"
4	600	500	24"	9"
4½	700	600	26"	9"
5	840	700	28"	10"
6	1100	950	30½"	10"

WESTERN STEAM BOILERS

Boiler Number	GROSS Capacity	Firepot Diameter	Smoke Pipe Diameter
02	225	16"	8"
04	250	16"	8"
06	275	16"	8"
2	350	20"	8"
4	375	20"	8"
6	425	20"	8"
08	475	24"	8"
8	550	24"	8"
10	625	24"	8"
12	700	24"	8"
14	850	28"	9"
16	925	28"	9"
18"	1000	28"	9"
20	1100	32"	10"
22	1200	32"	10"
24	1300	32"	10"

"TAYLOR" DOWN DRAFT BOILERS

Boiler Number	STEAM GROSS Rating	Boiler Number	WATER GROSS Rating	Chimney Flue Brick Unlined	Round Tile	Smoke Pipe
S-844	900	W-844	1500	12½x12½"	14"	10"
S-845	1250	W-845	2050	12½x12½"	14"	10"
S-846	1600	W-846	2650	12½x17½"	16"	10"
S-847	1950	W-847	3200	12½x17½"	16"	10"
S-848	2350	W-848	3900	17½x17½"	18"	12"
S-849	2800	W-849	4625	17½x17½"	18"	12"
S-8410	3300	W-8410	5450	17½x21"	20"	12"
S-8411	3800	W-8411	6275	17½x21"	20"	12"
S-8412	4300	W-8412	7100	17½x21"	20"	12"

"ADVANCE" HOT WATER & "CANADIAN" STEAM BOILERS

Boiler Number	WATER Sq. Ft.	Boiler Number	STEAM Sq. Ft.	Size of Fire Chamber	Smoke Pipe
400 SERIES					
431	525	432	325	16x16"	8"
433	775	434	475	16x24"	8"
435	1085	436	650	16x32"	10"
437	1375	438	825	16x40"	10"
500 SERIES					
520	1100	510	675	22x24"	10"
522	1500	512	900	22x32"	10"
524	1850	514	1125	22x40"	12"
526	2225	516	1350	22x48"	12"
528	2600	518	1575	22x56"	12"
600 SERIES					
600	2150	601	1300	28x30"	12"
602	2675	603	1625	28x38"	12"
604	3225	605	1950	28x46"	12"
606	3725	607	2275	28x54"	14"
608	4300	609	2600	28x62"	14"
610	4850	611	2925	28x70"	14"
700 & 800 SERIES					
A	2975	A	1800	36x33"	14"
B	3700	B	2250	36x41"	14"
800	4450	700	2700	36x49"	14"
801	5200	701	3150	36x57"	14"
802	5925	702	3600	36x65"	18"
803	6675	703	4050	36x73"	18"
804	7425	704	4500	36x81"	18"
900 SERIES					
902	4950	901	3000	44x40"	18"
904	5900	903	3600	44x48"	18"
906	6925	905	4200	44x56"	18"
908	7925	907	4800	44x64"	18"
910	8900	909	5400	44x72"	20"
912	9900	911	6000	44x80"	20"
914	10900	913	6600	44x88"	20"

"CANADIAN" SQUARE SECTIONAL BOILERS

Boiler Number	GROSS Rating - Sq.Ft. WATER	GROSS Rating - Sq.Ft. STEAM	Grate Area Square Inches	Fire Chamber Size	Smoke Pipe
215	1325	800	652	23-5/8x31-3/8"	10"
216	1650	1000	815	23-5/8x39-3/8"	10"
217	2000	1200	978	23-5/8x47-3/8"	10"
265	1750	1150	800	29-3/8x31-3/8"	10"
266	2250	1350	1000	29-3/8x39-3/8"	12"
267	2700	1625	1200	29-3/8x47-3/8"	12"
268	3150	1900	1400	29-3/8x55-3/8"	12"
325	2350	1400	992	36x31-3/8"	14"
326	2900	1800	1240	36x39-3/8"	14"

(Continued on next page)

"CANADIAN" SQUARE SECTIONAL BOILERS (continued)

Boiler Number	GROSS Rating - Sq.Ft. WATER	STEAM	Grate Area Square Inches	Fire Chamber Size	Smoke Pipe
327	3475	2150	1488	36x47-3/8"	14"
328	4050	2450	1736	36x55-3/8"	14"
329	4625	2300	1984	36x63-3/8"	14"
3210	5200	3200	2232	36x71-3/8"	14"
405	3150	1900	1248	43-3/4x31-3/8"	14"
406	3975	2550	1560	43-3/4x39-3/8"	14"
407	4800	2900	1872	43-3/4x47-3/8"	14"
408	5625	3600	2184	43-3/4x55-3/8"	14"
409	6450	4050	2496	43-3/4x63-3/8"	16"
4010	7275	4500	2808	43-3/4x71-3/8"	16"
4011	8100	4950	3120	43-3/4x79-3/8"	16"
466	5200	3250	1840	53x40"	16"
467	6275	3800	2208	53x48"	18"
468	7350	4450	2500	53x56"	18"
469	8425	5400	2944	53x64"	18"
4610	9500	5850	3312	53x72"	20"
4611	10575	6650	3680	53x80"	20"
4612	11650	7250	4048	53x88"	20"
4613	12725	7700	4416	53x96"	20"

"NEW CANADIAN" SQUARE SECT. BOILERS

Boiler Number	NET Ratings- Sq. Ft. WATER	STEAM	Grate Area Sq. Ft.	Firepot Size	Smoke Pipe
19-5	600	360	3.37	19x26"	10"
19-6	750	450	4.19	19x32"	10"
19-7	900	540	5.02	19x38½"	10"
25-5	1425	850	4.95	25x28½"	12"
25-6	1670	1000	6.16	25x35½"	12"
25-7	1925	1175	7.38	25x42½"	12"
25-8	2175	1350	8.60	25x49½"	12"
30-5	2100	1250	6.86	30x31"	15"
30-6	2500	1500	8.55	30x38½"	15"
30-7	2900	1750	10.24	30x46"	15"
30-8	3300	2000	11.93	30x53½"	15"
30-9	3810	2380	13.62	30x61"	15"
30-10	4080	2550	15.31	30x68½"	15"
30-11	4370	2730	17.00	30x76"	15"
30-12	4660	2930	18.69	30x83½"	15"
36-5	2730	1700	9.38	36x35½"	16"
36-6	3275	2050	11.50	36x44"	16"
36-7	3810	2380	13.75	36x52½"	16"
36-8	4370	2730	16.00	36x61"	16"
36-9	4935	3100	18.25	36x69½"	16"
36-10	5565	3450	20.50	36x78"	16"
36-11	6090	3750	22.75	36x86½"	16"
36-12	6615	4000	25.00	36x95"	16"
36-13	7100	4430	27.25	36x103½"	16"
36-14	7700	4860	29.50	36x112"	16"
36-15	8300	5200	31.75	36x120½"	16"

TAYLOR-FORBES

Catalog 70R
Dated 1922

FIREBOX BOILERS "DIRECT DRAFT TYPE" BRICK-SET

Boiler Number	Firebox	Heating Surface	Grate Area	Stack Diam.	Capacity Sq.Ft. WATER	STEAM
1	24x26"	113	4.3	12"	1500	900
2	24x32"	128	5.3	12"	1700	1050
3	24x38"	143	6.3	14"	2000	1200
4	30x32"	193	6.7	14"	2300	1400
5	30x38"	231	8.	16"	2800	1700
6	30x44"	268	9.2	16"	3300	2000
7	36x38"	269	9.5	18"	3300	2000
8	36x44"	317	11.	18"	4300	2600
9	36x50"	364	12.5	20"	5000	3000
10	42x44"	390	12.8	20"	5800	3500
11	42x50"	444	14.6	22"	6600	4000
12	42x56"	499	16.3	22"	7400	4500
13	48x56"	573	18.7	26"	9100	5500
14	48x62"	683	20.6	26"	10700	6500
15	53x62"	755	22.8	30"	12400	7500
16	53x68"	887	25.	30"	14400	8700
17	59x62"	971	25.4	30"	16500	10000
18	59x68"	1097	28.	30"	18200	11000
19	65x68"	1183	30.7	36"	19800	12000
20	65x74"	1343	33/4	36"	23100	14000

PORTABLE (AS ABOVE) "DIRECT DRAFT"

407	42-3/8x44"	293	12.2	20"	4100	2500
408	42-3/8x50"	333	14.6	20"	4800	2900
409	42-3/8x56"	373	16.4	20"	5800	3500
410	48-3/8x56"	427	16.7	22"	6600	4000
411	48-3/8x56"	487	18.7	22"	7400	4500
412	48-3/8x62"	537	20.7	22"	8300	5000
413	53-3/8x56"	614	21.1	24"	9100	5500
414	54-3/8x62"	670	23.3	24"	9900	6000
415	54-3/8x62"	698	23.3	26"	11600	7000
416	54-3/8x68"	781	25.6	26"	13200	8000
417	60-3/8x62"	936	25.9	28"	15700	9500
418	60-3/8x68"	1061	28.4	30"	18200	11000
419	66-3/8x68"	1224	31.3	32"	21500	13000
420	66-3/8x74"	1356	34.	32"	24800	15000

PORTABLE FIREBOX BOILERS - "SMOKELESS TYPE"

Boiler Number	Firebox	Heating Surface	Upper Grate Area	Stack Diam.	WATER	STEAM
307	42-3/8x51"	307	9.9	20"	5000	3000
308	42-3/8x54"	381	9.9	20"	5800	3500
309	42-3/8x60"	405	11.7	20"	6600	4000
310	48-3/8x66"	472	13.4	22"	7400	4500
311	48-3/8x72"	526	15.	22"	8300	5000
312	48-3/8x78"	579	17.1	22"	9100	5500
313	54-3/8x72"	631	16.9	24"	9900	6000

(Continued Next Page)

PORTABLE FIREBOX BOILERS "SMOKELESS TYPE" (continued)

Boiler Number	Firebox	Heating Surface	Upper Grate Area	Stack Diameter	Capacity Sq. Ft. WATER	STEAM
314	54-3/8x78"	687	19.2	24"	10700	6500
315	54-3/8x90"	766	21.4	26"	12400	7500
316	54-3/8x96"	822	23.3	26"	14000	8500
317	60-3/8x90"	922	23.8	28"	16500	10000
318	60-3/8x96"	1062	26/3	30"	19800	12000
319	66-3/8x96"	1255	28.5	32"	23100	14000
320	66-3/8x102"	1370	31.3	32"	26400	16000
321	72-3/8x102"	1529	34.1	34"	29700	18000
322	72-3/8x108"	1601	36.1	34"	33000	20000

MONARCH SERIES 5 STEEL BOILERS
(S.B.I. Ratings)

Boiler Number	STEAM Mech. Fired NET	STEAM Hand Fired NET	WATER Mech. Fired NET	WATER Hand Fired NET	B.T.U. 1000s per hr.	Heating Surface Sq. Ft.	Furnace Volume Cu. Ft.
506	900	740	1440	1180	216	53	8.2
507	1100	910	1760	1450	264	65	10.
508	1300	1080	2080	1720	312	77	11.8
509	1500	1230	2400	1970	360	88	13.6
510	1800	1480	2880	2370	432	106	16.4
511	2200	1810	3520	2890	528	129	20.
512	2600	2140	4160	3430	624	153	23.6
513	3000	2480	4800	3970	720	177	27.3
514	3500	2880	5600	4600	840	206	31.8
515	4000	3300	6400	5280	960	236	36.3
516	4500	3700	7200	5920	1080	265	40.9
517	5000	4100	8000	6560	1200	294	45.4

MONARCH "SERIES 6" STEEL BOILERS
(S.B.I. Ratings)

Boiler Number	WATER Mechanical GROSS Sq. Ft.	WATER Fired NET Sq. Ft.	STEAM Mechanical GROSS Sq. Ft.	STEAM Fired NET Sq. Ft.	Heating Surface Sq. Ft.	Furnace Volume Cu. Ft.
606	8650	7206	5406	4503	318	38.6
607	10037	8361	6273	5225	369	45.
608	11478	9562	7174	5975	422	51.2
609	14198	11826	8874	7391	522	63.5
610	16973	14140	10608	8836	624	76.
611	20100	16745	12563	10464	739	90.
612	25568	21310	15980	13310	940	114.5
613	28288	23562	17680	14726	1040	136.5
614	33864	28206	21165	17629	1245	151.

VICTOR STEEL WELDED BOILERS
(S.H.B.I. Ratings)

	Heating	STEAM RATINGS				WATER RATINGS				Grate
	Surface	Hand Fired		Mech. Fired		Hand Fired		Mech. Fired		Area
No.	Sq. Ft.	GROSS	NET	GROSS	NET	GROSS	NET	GROSS	NET	Sq.Ft.
604	74	1036	863	1258	1047	1658	1381	2013	1677	3.5
605	90	1260	1049	1530	1275	2016	1679	2448	2040	4.4
606	112	1568	1306	1904	1586	2509	2090	3046	2538	4.4
607	138	1932	1609	2346	1954	3091	2575	3754	3128	5.
608	165	2310	1924	2805	2336	3696	3079	4488	3739	6.2
609	190	2660	2215	3230	2690	4256	3545	5168	4306	8.4
609A	216	3024	2519	3672	3058	4838	4031	5875	4894	8.4
610	242	3388	2822	4114	3427	5421	4516	6582	5484	9.5
611	267	3738	3113	4539	3781	5981	4982	7262	6050	10.4
611A	292	4088	3405	4964	4135	6540	5449	7942	6617	10.4
612	318	4452	3708	5406	4503	7123	5934	8650	7206	11.9
613	369	5166	4303	6273	5225	8266	6886	10037	8361	12.2
614	422	5908	4921	7174	5975	9453	7875	11478	9562	13.9
616	472	6608	5504	8024	6683	10573	8808	12838	10695	15.9
617	522	7308	6087	8874	7391	11693	9740	14198	11828	17.9
618	573	8022	6681	9741	8114	12835	10692	15586	12984	20.2
618A	624	8736	7276	10608	8836	13977	11644	16973	14140	20.2
619	674	9436	7859	11458	9544	15098	12577	18333	15273	22.4
620	739	10346	8617	12563	10464	16554	13790	20100	16745	22.4
621	839	11746	9782	14263	11880	18793	15656	22820	19011	24.9
622	940	13160	10960	15980	13310	21056	17540	25568	21310	27.4
623	1040	14560	12126	17680	14726	23296	19406	28288	23566	30.
624	1145	16030	13351	19465	16213	25648	21366	31144	25946	32.9

VOLCANO "OIL-O-THERM" OIL BOILER

Model	Net Rating Hot Water	BTU Boiler Output/hr	Nozzle size U.S. GPH	Smoke Pipe
OT-700	700	128250	1.20	6"
OT-825	825	151500	1.50	6"
OT-950	950	174000	1.65	8"
OT-1150	1150	210000	2.00	8"
OT-710	710	131250	1.50	7"
OT-900	900	168750	2.	8"
OT-1200	1200	215625	2.50	8"

"DYNATHERM"

Boiler Number	WATER NET Rating Sq. Ft.	STEAM Net Rating Sq. Ft.	BTU Boiler Output/hr.	Nozzel (30° angle) US GPH	Recommend Chimney Size
#36A	730	455	145	1.35	8x8
48A	1000	625	185	1.65	8x8
36B	1500	950	275	2.50	9x9
48B	2000	1250	375	3.50	9x9

"OIL-O-THERM" STEAM BOILER

Model	BTU/hr	Steam lbs/hr	Boiler H.P.	Smoke Pipe
OTS-5	170000	173	5	8"

VOLCANO WATER TUBE BOILERS

Cat. No.	Mechanical Firing NET Rating	Heating Surface Sq. Ft.	Grate Area	Smoke Pipe
0-80	2000	71.2	28x38"	12
0-85	2350	81.2	28x38"	12
0-90	2800	94.3	28x44"	12
0-95	3100	105.2	28x44"	12
0-100	3600	117.4	28x50"	12
0-110	4000	129.2	28x56"	12
0-120	4500	149.7	28x66"	12"
0-130	5000	174.2	37x48"	16"
0-135	5500	191.	37x48"	16"
0-140	6000	200.1	37x54"	16"
0-145	6500	212.	37x54"	16"
0-150	7000	223.9	37x60"	16"
0-290	8000	262.8	44x60"	18"
0-300	9000	302.3	44x60"	18"
0-310	10000	334.1	44x69"	18"
0-320	11000	360.8	44x78"	20"

NOTE: The above boiler was formerly made by S. J. Manny Co. of Quebec Prov. The above data was probably the same then as above.

VOLCANO SECTIONAL BOILERS - WATER

Boiler No.	NET Rating	Grate Area	Smoke Pipe
20-5-W	700	20x17½"	9"
20-6-W	850	20x22"	9"
20-7-W	1050	20x26½"	9"
20-8-W	1200	20x31"	9"
20-9-W	1380	20x35½"	9"
20-10-W	1560	20x40"	9"

VOLCANO "SERIES 20" SECTIONAL BOILER

Model No.	Hand Fired Net Rating	Oil Fired Net Rating	Grate Area	Smoke Pipe
700	700	925	20x17½"	9"
850	865	1090	20x22"	9"
1050	1030	1255	20x26½"	9"
1200	1200	1425	20x31"	9"
1350	1365	1590	20x35½"	9"
1560	1530	1755	20x40"	9"

VOLCANO "SERIES 15" SECTIONAL BOILER

Model No.	Hand Firing Net Rating	Mech. Firing Net Rating	Grate Area	Smoke Pipe
1510	....	420	15x10-3/4"	7"
1512	300	500	15x12-3/4"	7"
1514	350	570	15x14-3/4"	7"
1516	400	650	15x16-3/4"	7"
1518	450	725	15x18-3/4"	7"
1520	500	795	15x20-3/4"	7"
1522	550	850	15x22-3/4"	7"
1524	600	900	15x24-3/4"	7"

"VULCA" SERIES "B" STEEL BOILERS - STEAM

C.S.B.I. Rating in Square Feet of Equivalent Direct Radiation

Boiler Size	Heating Surface Sq. Ft.	Hand Fired GROSS	Hand Fired NET	Stoker, Oilor Gas GROSS	Stoker, Oilor Gas NET	Sq.Ft. Grate Area	Smoke Pipe Outside
B 4S	112	1568	1306	1904	1586	8	13"
B 5S	138	1932	1609	2346	1954	8	13"
B 6S	165	2310	1924	2805	2336	10	15"
B 7S	190	2660	2215	3230	2690	10	15"
B 8S	216	3024	2519	3672	3058	11.3	15"
B 9S	242	3388	2822	4114	3427	11.3	15"
B 10S	267	3738	3113	4539	3781	12	17"
B 11S	292	4088	3405	4964	4135	13.5	17"
B 12S	318	4452	3708	5406	4503	13.5	17"
B 13S	369	5166	4303	6273	5225	15	17"
B 14S	422	5908	4921	7174	5975	17.5	20"
B 15S	472	6608	5504	8024	6683	17.5	20"
B 16S	522	7308	6087	8874	7391	19.3	20"
B 17S	573	8022	6681	9741	8114	21	20"
B 18S	624	8736	7276	10608	8836	22	24"
B 19S	674	9436	7859	11458	9544	22	24"
B 20S	739	10346	8617	12563	10464	24	24"
B 21S	839	11746	9782	14263	11880	26	24"
B 22S	940	13160	10960	15980	13310	27.6	26"
B 23S	1040	14560	12126	17680	14726	27.6	26"
B 24S	1145	16030	13351	19465	16213	30.9	28"
B 25S	1245	17430	14517	21165	17629	30.9	28"
B 26S	1362	19068	15881	23154	19286	31.5	32"
B 27S	1462	20468	17047	24854	20702	34.1	32"
B 28S	1564	21896	18236	26588	22146	36.8	32"
B 29S	1682	23548	19612	28594	23817	36.8	32"
B 30S	1787	25018	20836	30379	25302	40.3	36"
B 31S	1887	26418	22002	32079	26720	40.3	36"
B 32S	2087	29218	24334	35479	29552	40.3	39"
B 33S	2314	32396	26981	39338	32766	43.8	39"
B 34S	2520	35280	29383	42840	35682	46.9	42"
			WATER HEATING				
B 4W	112	2509	2090	3046	2538	8	13"
B 5W	138	3091	2575	3754	3128	8	13"
B 6W	165	3696	3079	4488	3739	10	15"
B 7W	190	4256	3545	5168	4306	10	15"
B 8W	216	4838	4031	5875	4894	11.3	15"
B 9W	242	5421	4516	6582	5484	11.3	15"
B 10W	267	5981	4982	7262	6050	12	17"
B 11W	292	6540	5449	7942	6617	13.5	17"
B 12W	318	7123	5934	8650	7206	13.5	17"
B 13W	369	8266	6886	10037	8361	15	17"
B 14W	422	9453	7875	11478	9562	17.5	20"
B15W	472	10573	8808	12838	10695	17.5	20"
B 16W	522	11693	9740	14198	11822	19.3	20"
B 17W	573	12835	10692	15586	12984	21	20"

(Continued next page)

"VULCA" SERIES "B" STEEL BOILERS - WATER (Continued)

Boiler Size	Heating Surface Sq. Ft.	Hand Fired		Stoker, Oil or Gas		Grate Area Sq. Ft.	Smoke Pipe Outside
		GROSS	NET	GROSS	NET		
B 18W	624	13977	11644	14140	10050	22	24"
B 19W	674	15098	12577	18333	15273	22	24"
B 20W	739	16554	13790	20100	16745	24	24"
B 21W	839	18793	15656	22820	19011	26	24"
B 22W	940	21056	17540	25568	21310	27.6	26"
B 23W	1040	23296	19406	28288	23566	27.6	26"
B 24W	1145	25648	21366	31144	25946	30.9	28"
B 25W	1245	27888	23232	33864	28212	30.9	28"
B 26W	1362	30508	25415	37046	30862	31.5	32"
B 27W	1462	32749	27281	39766	33128	34.1	32"
B 28W	1564	35034	29184	42540	35400	36.8	32"
B 29W	1682	37677	31386	45740	38114	36.8	32"
B 30W	1787	40029	33345	48606	40493	40.3	36"
B 31W	1887	42268	35211	51326	42759	40.3	36"
B 32W	2087	46749	38943	56756	47291	40.3	39"
B 33W	2314	51834	43179	62942	52435	43.8	39"
B 34W	2520	56448	47023	68544	57102	46.9	42"

VULCA STEEL HEATING BOILERS

Size Number	Heating Surface Sq. Ft.	STEAM		Grate Area Sq. Ft.	Ashpit Depth	Smoke Pipe Diameter
		GROSS Sq. Ft.	NET Sq. Ft.			
V 1	118	1650	1320	7.9	12"	14"
V 2	146	2040	1630	9	12"	14"
V 3	196	2730	2180	11	12"	16"
V 4	232	3250	2600	11	12"	16"
V 5	274	3800	3040	12	12"	18"
V 6	320	4450	3560	13.5	12"	18"
V 7	365	5100	4080	15	12"	18"
V 8	390	5500	4400	15.8	12"	20"
V 9	445	6200	4960	17.5	12"	20"
V 10	547	7600	6080	20	12"	24"
V 11	625	8700	6950	22	12"	24"
V 12	704	9800	7840	22	12"	24"
V 13	723	10100	8100	22.5	15"	26"
V 14	814	11400	9120	24.8	15"	26"
V 15	935	13100	10500	27.5	15"	28"
V 16	1052	14700	11800	27.5	15"	28"
V 17	1169	16300	13000	30	15"	28"
V 18	1200	16800	13400	30.2	15"	30"
V 19	1334	18700	15000	33	15"	30"
V 20	1470	20600	16500	33	15"	30"
V 21	1490	20800	16600	36	15"	34"
V 22	1657	23200	18600	36	15"	34"
V 23	1827	25500	20400	39	15"	34"

For HOT WATER ratings ADD 66% to radiation. For Stoker, Gas or Oil Fired Boilers ADD 20% to radiation.

VUL-MAR SCOTCH DRYBACK SD-SERIES BOILERS
For Oil or Gas Firing

STEAM Boiler Number	WATER Boiler Number	Heating Surface Sq. Ft.	STEAM Sq. Ft. E.D.R.		WATER Sq. Ft. E.D.R.	
			GROSS	NET	GROSS	NET
SDL4	SDW4	200	3760	3130	6024	5020
SDL4A	SDW4A	250	4700	3910	7530	6270
SDL5	SDW5	300	5640	4700	9036	7530
SDL5A	SDW5A	350	6580	5480	10530	8780
SDL6	SDW6	400	7520	6260	12048	10040
SDL6A	SDW6A	450	8470	7050	13530	11280
SDL7	SDW7	500	9400	7830	15060	12550
SDL8	SDW8	600	11280	9400	18070	15060
SDL9	SDW9	700	13160	11380	21080	17570
SDL10	SDW10	800	15040	12530	24090	20080
SDL10A	SDW10A	900	16920	14100	27100	22580
SDL11	SDW11	1000	18800	15660	30120	25100
SDL11A	SDW11A	1100	20680	17250	33100	27580
SDL12	SDW12	1250	23500	19580	37650	31370
SDL12A	SDW12A	1400	26320	21850	42200	35200
SDL13	SDW13	1500	28200	23500	45180	37650
SDL13A	SDW13A	1650	31020	25850	49700	41400
SDL13B	SDW13B	1800	33840	28200	54300	45300
SDL14		2000	37600	31330		
SDL15		2500	47000	39160		

Ratings for STEAM based on emission of 240 BTU per sq.ft. C.I. radiation at 1 lb. pressure.

Ratings for WATER based on emission of 150 BTU per sq.ft. C.I. radiation at 170°F & room at 70°F

One sq.ft. pf boiler heating surface carries 30.12 sq.ft. of gross radiation mech. fired.

Net radiation is taken as 83.3% of gross.

NOTE: Ratings for series "SDS" (2" tubes) same as above steam.

WARDEN KING

SERIES 2WG BASMOR GAS-FIRED BOILERS

NATURAL, MIXED, and, MANUFACTURED GASES

NET Output Installed Radiation shown as 150BTU and 200 BTU Emission.

Boiler Size	AGA Input BTU/H	Gross Output (AGA) BTU/HR	Gross Output (AGA) Sq. Ft.	Boiler H.P.	NET Output BTU/HR	RADIATION 150BTU	RADIATION 200BTU
2	70000	56000	373	1.49	42000	280	210
3	120000	96000	640	2.9	72000	480	360
4	165000	132000	880	4.0	99000	660	495
5	210000	168000	1120	5.0	126000	840	630
		LIQUEFIED PETROLEUM GAS					
2	65000	52000	316	1.49	39000	260	195
3	110000	88000	586	2.6	66000	440	330
4	150000	120000	800	3.6	90000	600	450
5	190000	156000	1040	4.6	117000	780	585

SERIES 26 BASMOR GAS-FIRED BOILERS

NATURAL, MIXED, MANUFACTURED GAS - LP GAS LP AIR

Boiler Size	AGA INPUT BTU/HR	Gross Output - AGA Ratings BTU/HR	Gross Output - AGA Ratings STEAM Sq.Ft.	Gross Output - AGA Ratings WATER Sq.Ft.
3	100000	80000	333	533
4	150000	120000	500	800
5	200000	160000	666	1066
6	250000	200000	833	1333
7	300000	240000	1000	1600
8	350000	280000	1166	1866
9	400000	320000	1333	2133

NET OUTPUT - 150BTU & 200 BTU Emission

Boiler Size	STEAM BTU/HR	STEAM Sq.Ft. Rad.	WATER BTU/HR	WATER -- Sq. Ft. Radiation 150 BTU	WATER -- Sq. Ft. Radiation 200BTU
3	52000	215	60000	400	300
4	78000	325	90000	600	450
5	106000	440	121000	807	605
6	133000	555	151000	1007	755
7	161000	670	180000	1200	900
8	188000	735	210000	1400	1050
9	217000	905	240000	1600	1200
10	246000	1025	270000	1800	1350

RATINGS FOR LARGE VOLUME WATER BOILERS

Type & Size	AGA RATINGS BTU/HR Input	AGA RATINGS BTU/HR Gross Output	H.P.	US Galls. per hr. Recovery 60°	US Galls. per hr. Recovery 100°	US Galls. per hr. Recovery 140°
26 WIM 3	100,000	80,000	2.39	160	96	69
26 WIM 4	150,000	120,000	3.58	240	144	103
26 WIM 5	200,000	160,000	4.78	320	192	137
26 WIM 6	250,000	200,000	5.97	400	240	172
26 WIM 7	300,000	240,000	7.17	480	288	206
26 WIM 8	350,000	280,000	8.36	560	336	240
26 WIM 9	400,000	320,000	9.56	640	384	274
26 WIM 10	450,000	360,000	10.75	720	432	309

SERIES "40" BASMOR GAS-FIRED BOILERS
NATURAL, MIXED, MANUFACTURED GAS & AIR MIXTURES.

Boiler Size	AGA INPUT BTU/HR	GROSS OUTPUT BTU/HR	GROSS OUTPUT STEAM SQ. FT.	WATER SQ. FT.	Boiler H. P.
6	350000	280000	1170	1870	8.4
7	420000	336000	1400	2240	10.0
8	490000	392000	1630	2610	11.7
9	560000	448000	1870	2990	13.4
10	630000	504000	2100	3360	15.1
11	700000	560000	2330	3730	16.7
12	770000	616000	2570	4105	18.4
13	840000	672000	2800	4480	20.1

NET OUTPUT -- 240 BTU & 150 BTU EMISSION

Boiler Size	STEAM BTU/HR	STEAM SQ. FT.-240	WATER BTU/HR	WATER SQ. FT. - 150
6	188700	786	210000	1400
7	228600	952	252000	1680
8	269100	1121	294000	1960
9	310250	1293	336000	2240
10	351700	1466	378000	2520
11	393800	1641	420000	2800
12	436250	1818	462000	3080
13	478950	1996	502500	3350

LIQUEFIED PETROLEUM GASES

Boiler Size	AGA INPUT BTU/HR	GROSS OUTPUT BTU/HR	GROSS OUTPUT STEAM SQ. FT.	WATER SQ. FT.	Boiler H. P.
6	341500	273200	1140	1820	8.1
7	410000	328000	1365	2185	9.8
8	478500	382800	1595	2550	11.4
9	546500	437200	1820	2915	13.0
10	615000	492000	2050	3280	14.7
11	683500	546800	2275	3645	16.3
12	751500	601200	2505	4010	17.9
13	820000	656000	2730	4375	19.6

NET OUTPUT -- 240 BTU & 150 BTU EMISSION

Boiler Size	STEAM BTU/HR	STEAM SQ. FT.-240	WATER BTU/HR	WATER SQ. FT.-150
6	183850	766	204750	1365
7	223000	929	246000	1640
8	262350	1093	287250	1915
9	302350	1260	327750	2185
10	342850	1429	369000	2460
11	384000	1600	410250	2735
12	424900	1770	450750	3005
13	466550	1944	492000	3280

"VIKING JUNIOR" SECT. WATER BOILERS

Boiler Number	NET Rating	Grate Area Sq. Ft.	Grate Size	Smoke Pipe
240	240	1.28	14-3/8x12-5/8"	7"
290	290	1.48	14-3/8x14-5/8"	7"
330	330	1.68	14-3/8x16-5/8"	7"
370	370	1.89	14-3/8x18-5/8"	7"
420	420	2.09	14-3/8x20-5/8"	7"
460	460	2.30	14-3/8x22-5/8"	7"
500	500	2.50	14-3/8x24-5/8"	7"
540	540	2.70	14-3/8x26-5/8"	7"
580	580	2.91	14-3/8x28-5/8"	7"
620	620	3.11	14-3/8x30-5/8"	7"

VIKING "JUNIOR" BOILER - WATER
HAND FIRED

Number	NET I-B-R Rating Sq. Ft.	NET I-B-R Rating BTU/HR	Grate Area Sq. Ft.	Chimney Size
W-250	250	37000	1.28	8"x8"x20'
W-290	290	44000	1.48	8"x8"x20'
W-350	350	53000	1.68	8"x8"c20'
W-400	400	60000	1.88	8"x8"x20'
W-450	450	68000	2.09	8"x8"x25'
W-500	500	76000	2.29	8"x8"x30'
W-560	560	84000	2.49	8"x8"x30'

OIL FIRED - NET I-B-R Ratings

Number	Sq. Ft.	BTU/hr	Chimney
WO-200	420	63000	8"x8"x15'
WO-250	500	75000	8"x8"x16'
WO-290	570 ✓	86000	8"x8"x17'
WO-350	650	98000	8"x8"x18'
WO-400	725	109000	8"x8"x19'
WO-450	795	119000	8"x8"x19'
WO-500	865	130000	8"x8"x20'
WO-560	935	140000	8"x8"x20'

STOKER FIRED - NET I-B-R Ratings

Number	Sq. Ft.	BTU/hr	Chimney
WM-250	425	64000	8"x8"x25'
WM-290	515	77000	8"x8"x25'
WM-350	605	91000	8"x8"x25'
WM-400	700	105000	8"x8"x25'
WM-450	760	114000	8"x8"x25'
WM-500	820	123000	8"x8"x25'
WM-560	880	132000	8"x8"x25'

NOTE: NET Sq. Ft. Boiler rating is amount of actual installed radiation which may be attached to boiler, based on heat emission rate from radiators of 150 BTU per sq. ft. gravity hot water - 200 BTU forced circulation water.

"VIKING" 4000 SERIES OIL BURNING BOILERS

Boiler Number	NET Rating WATER	NET Rating STEAM	Heating Surface	Smoke Pipe
18-B	500	310	27.93	9"
18-C	700	435	33.19	9"
18-D	830	515	38.46	9"
18-E	960	595	43.72	9"
18-F	1090	675	48.99	9"
18-G	1220	755	54.25	9"
18-H	1350	835	59.52	9"
18-I	1480	915	64.78	9"

NOTE: Height to bottom of Crown Sheet - 32"

WARDEN KING

"VIKING" 18 SERIES SECT. BOILERS

Boiler Number	NET Rating		Sq. Ft. of Grate Area	Grate Size	Smoke Pipe
	WATER	STEAM			
400-W	400	....	1.90	17-3/4x14-3/8"	9"
550-W	550	....	2.40	17-3/4x18-1/4"	9"
700-W	700	....	2.90	17-3/4x22-3/8"	9"
850-W	850	....	3.40	17-3/4x26-1/4"	9"
18-6	700	435	2.40	17-3/4x18-1/4"	9"
18-7	830	515	2.90	17-3/4x22-3/8"	9"
18-8	960	595	3.40	17-3/4x26-1/4"	9"
18-9	1090	675	3.90	17-3/4x30-3/8"	9"
18-10	1220	755	4.40	17-3/4x34-1/4"	9"
18-11	1350	835	4.90	17-3/4x38-3/8"	9"
18-12	1480	915	5.40	17-3/4x42-1/4"	9"

WARDEN KING VIKING "20" BOILER

HAND FIRED

STEAM Boiler Number	WATER Boiler Number	NET I.B.R. Ratings				Chimney Size
		Square feet		B. T. U.		
		STEAM	WATER	STEAM	WATER	
S-20-6	W-20-6	360	580	86000	86000	8"x8"x35'
S-20-7	W-20-7	460	740	110000	110000	8"x12"x35'
S-20-8	W-20-8	560	900	134000	134000	8"x12"x35'
S-20-9	W-20-9	660	1060	158000	158000	8"x12"x35'
S-20-10	W-20-10	760	1220	182000	182000	12"x12"x35'
S-20-11	W-20-11	860	1380	206000	206000	12"x12"x40'

OIL FIRED

STEAM Boiler Number	WATER Boiler Number	Square feet STEAM	Square feet WATER	B. T. U. STEAM	B. T. U. WATER	Chimney Size
SO-20-5	WO-20-5	365	670	88000	101000	8"x8"x15'
SO-20-6	WO-20-6	455	830	109000	125000	8"x8"x17'
SO-20-7	WO-20-7	550	995	132000	149000	8"x8"x19'
SO-20-8	WO-20-8	640	1150	154000	173000	8"x12"x21'
SO-20-9	WO-20-9	735	1315	176000	197000	8"x12"x23'
SO-20-10	WO-20-10	830	1475	190000	221000	8"x12"x25'
SO-20-11	WO-20-11	925	1635	222000	245000	8"x12"x27'

STOKER FIRED

STEAM Boiler Number	WATER Boiler Number	Square feet STEAM	Square feet WATER	B. T. U. STEAM	B. T. U. WATER	Chimney Size
SM-20-6	WM-20-6	400	730	96000	110000	8"x8"x30'
SM-20-7	WM-20-7	475	865	114000	130000	8"x8"x30'
SM-20-8	WM-20-8	545	985	131000	148000	8"x12"x30'
SM-20-9	WM-20-9	620	1115	149000	167000	8"x12"x30'
SM-20-10	WM-20-10	695	1245	167000	187000	8"x12"x35'
SM-20-11	WM-20-11	770	1370	185000	206000	8"x12"x35'

"VIKING" 4700 SERIES OIL BURNING SECT. WATER BOILERS

Boiler Number	NET Rating	MAXimum Firing Rate U.S. Gals. Per Hour	Smoke Pipe	Bottom to Crown Sheet
4700 W-6	700	1.55	9"	31-31/32"
4700 W-7	830	1.80	9"	31-31/32"
4700 W-8	960	2.10	9"	31-31/32"
4700 W-9	1090	2.35	9"	31-31/32"
4700 W-10	1220	2.50	9"	31-31/32"

E.& O.E.

VIKING "30" BOILER

STEAM Boiler Bumber	WATER Boiler Number	NET I. B. R. Rating Square Feet STEAM	Square Feet WATER	BTU 1000s per hr. STEAM	BTU 1000s per hr. WATER	Chimney Size
		HAND FIRED				
S-30-6	W-30-6	860	1380	207	207	12x12x30'
S-30-7	W-30-7	1090	1745	262	262	12x12"x33'
S-30-8	W-30-8	1330	2130	319	319	12x16"x36'
S-30-9	W-30-9	1570	2515	377	377	12x16"x39'
S-30-10	W-30-10	1820	2910	437	437	16x16"x42'
S-30-11	W-30-11	2070	3310	497	497	16x16"x45'
S-30-12	W-30-12	2300	3685	553	553	16x20"x48'
S-30-13	W-30-13	2540	4065	610	610	16x20"x51'
S-30-14	W-30-14	2790	4460	669	699	16x20"x54'
S-30-15	W-30-15	3040	4865	730	730	20x20"x57'
S-30-16	W-30-16	3300	5280	792	792	20x20"x60'
		OIL FIRED				
SO-30-6	WO-30-6	845	1500	203	225	8x12"x15'
SO-30-7	WO-30-7	1090	1910	262	287	8x12"x17'
SO-30-8	WO-30-8	1340	2320	322	348	12x12"x20'
SO-30-9	WO-30-9	1600	2735	384	410	12x12"x23'
SO-30-10	WO-30-10	1860	3145	446	472	12x12"x26'
SO-30-11	WO-30-11	2120	3560	509	534	12x16"x29'
SO-30-12	WO-30-12	2380	3960	571	594	12x16"x32'
SO-30-13	WO-30-13	2650	4375	636	656	16x16"x34'
So-30-14	WO-30-14	2920	4785	701	718	16x16"x36'
SO-30-15	WO-30-15	3200	5205	768	781	16x16"x38'
SO-30-16	WO-30-16	3480	5620	835	843	16x16"x40'
		STOKER FIRED				
SM-30-6	WM-30-6	750	1340	180	201	8x12"x25'
SM-30-7	WM-30-7	970	1705	232	256	8x12"x28'
SM-30-8	WM-30-8	1190	2070	285	311	12x12"x31'
SM-30-9	WM-30-9	1410	2435	339	365	12x12"x34'
SM-30-10	WM-30-10	1640	2800	394	420	12x12"x37'
SM-30-11	WM-30-11	1870	3165	449	475	12x16"x40'
SM-30-12	WM-30-12	2090	3510	502	527	12x16"x43'
SM-30-13	WM-30-13	2310	3850	555	578	16x16"x46'
SM-30-14	WM-30-14	2540	4205	609	631	16x16"x49'
SM-30-15	WM-30-15	2770	4555	665	683	16x16"x52'
SM-30-16	WM-30-16	3000	4905	720	736	16x20"x55'

WARDEN KING "41" BOILER

HAND FIRED

STEAM Boiler Number	WATER Boiler Number	NET I. B. R. Rating Square Feet STEAM	NET I. B. R. Rating Square Feet WATER	NET I. B. R. Rating BTU 1000s per hr. STEAM	NET I. B. R. Rating BTU 1000s per hr. WATER	Chimney Size
S-41-5	W-41-5	2500	4000	600	600	16x16"x40'
S-41-6	W-41-6	3000	4800	720	720	16x16"x42'
S-41-7	W-41-7	3500	5600	840	840	16x20"x44'
S-41-8	W-41-8	4000	6400	960	960	20x20x45'
S-41-9	W-41-9	4500	7200	1080	1080	20x20"x53'
S-41-10	W-41-10	5000	8000	1200	1200	20x24"x60'
S-41-11	W-41-11	5500	8800	1320	1320	20x24"x68'
S-41-12	W-41-12	6000	9600	1440	1440	24x24"x75'

OIL FIRED

STEAM Boiler Number	WATER Boiler Number	Square Feet STEAM	Square Feet WATER	BTU 1000s per hr. STEAM	BTU 1000s per hr. WATER	Chimney Size
SO-41-5	WO-41-5	2500	4145	600	622	16x16"x32'
SO-41-6	WO-41-6	3030	4945	727	742	16x16"x35'
SO-41-7	WO-41-7	3550	5725	852	859	16x16"x39'
SO-41-8	WO-41-8	4080	6525	979	979	16x20"x35'
SO-41-9	WO-41-9	4600	7360	1104	1104	16x20"x42'
SO-41-10	WO-41-10	5200	8320	1248	1248	20x20"x45'
SO-41-11	WO-41-11	5800	9280	1392	1392	20x20"x54'
SO-41-12	WO-41-12	6400	10240	1536	1536	20x20"x64'
SO-41-13	WO-41-13	7000	11200	1680	1680	20x24"x67'
SO-41-14	WO-41-14	7600	12160	1824	1824	20x24"x70'

STOKER FIRED

STEAM Boiler Number	WATER Boiler Number	Square Feet STEAM	Square Feet WATER	BTU 1000s per hr. STEAM	BTU 1000s per hr. WATER	Chimney Size
SM-41-5	WM-41-5	2500	4145	600	622	16x16"x32'
SM-41-6	WM-41-6	3030	4945	727	742	16x16"x35'
SM-41-7	WM-41-7	3550	5725	852	859	16x16"x39'
SM-41-8	WM-41-8	4080	6525	979	979	16x20"x42'
SM-41-9	WM-41-9	4600	7360	1104	1104	16x20"x35'
SM-41-10	WM-41-10	5200	8320	1248	1248	20x20"x45'
SM-41-11	WM-41-11	5800	9280	1392	1392	20x20"x54'
SM-41-12	WM-41-12	6400	10240	1536	1536	20x20"x64'
SM-41-13	WM-41-13	7000	11200	1680	1680	20x24"x67'
SM-41-14	WM-41-14	7600	12160	1824	1824	20x24"x70'

WARDEN KING PACKAGED OIL-FIRED STEEL BOILER

Model) LESS Coil	CP-66W	CP-77W	CP-96W	CP-132W	CP-168W
Number) WITH Coil	CP-66WC	CP-77WC	CP-96WC	CP-132WC	CP-168WC
NET Rat. SBI WATER Sq. Ft.	495	580	720	995	1260
NET Rat. SBI BTU per hour	74000	87000	108000	149000	189000
Oil Firing Rate GPH US ...	1.00	1.10	1.35	2.00	2.50
Output Tankless Coil GPM .	3	3	3	4	4
Heating Surface Sq. Ft. ..	16	19	24	32	41
Chimney Size	8x8"x20'	8x8"x25'	8x8"x30'	8x12"x30'	8x12"x35'

January 1913
Catalogue

"DAISY" ROUND HOT WATER BOILERS - 1910 Pattern

Boiler Number	NET Ratings Sq. Ft.	Firepot Diameter	Firepot Depth	Smoke Pipe
0	167	17-1/2"	15-3/4"	7"
1	233	17-1/2"	15-3/4"	7"
2	333	20-1/4"	16"	7"
2½	400	20-1/4"	16"	7"
3	500	21-1/2"	16-1/4"	8"
3½	570	21-1/2"	16-1/4"	8"
4	667	24-5/8"	16-1/2"	8"
4½	750	24-5/8"	16-1/2"	8"
5	833	26-5/8"	16-7/8"	10"
5½	940	26-5/8"	16-7/8"	10"
6	1000	28-3/4"	17-1/4"	10"
6A	1100	28-3/4"	17-1/4"	10"
6½	1250	31-1/2"	17-5/8"	10"
6½A	1350	31-1/2"	17-5/8"	10"
7	1500	34"	18"	12"
7½	1750	34"	18"	12"
8	2000	39"	18-3/8"	12"
8½	2250	39"	18-3/8"	12"
9	2667	41-1/4"	18-3/4"	12"
9½	3000	41-1/4"	18-3/4"	12"
10	4000	special	special	12"

NOTE: NET ratings above do not include mains.

March 1930 Catalog: "DAISY" As Above but 1921 Pattern

Boiler Number	GROSS Rating Sq. Ft.	NET Rating Sq. Ft.	Firepot Diameter	Firepot Depth	Smoke Pipe
0	300	200	17-1/2"	15-3/4"	7"
1	375	250	17-1/2"	15-3/4"	7"
1½	450	300	17-1/2"	15-3/4"	7"
2	550	365	20-1/4"	16"	7"
2½	625	420	20-1/4"	16"	7"
3	750	500	21-1/2"	16-1/4"	8"
3½	875	585	21-1/2"	16-1/4"	8"
4	1025	685	24-5/8"	16-1/2"	8"
4½	1125	750	24-5/8"	16-1/2"	8"
5	1250	835	26-5/8"	16-7/8"	10"
5½	1400	935	26-5/8"	16-7/8"	10"
6	1500	1000	28-3/4"	17-1/4"	10"
6A	1650	1100	28-3/4"	17-1/4"	10"
6½	1875	1250	31-1/2"	17-5/8"	10"
6½A	2025	1350	31-1/2"	17-5/8"	10"
7	2250	1500	34"	18"	12"
7½	2650	1765	34"	18"	12"
8	3000	2000	39"	18-3/8"	12"
8½	3450	2300	39"	18-3/8"	12"
9	4000	2665	41-1/4"	18-3/4"	12"
9½	4500	3000	41-1/4"	18-3/4"	12"
10	6000	4000	50-1/4"	18"	12"

NEW IMPROVED "DAISY" ROUND HOT WATER BOILERS

Boiler Number	Boiler Capacity NET Sq. Ft.	Grate Diameter	Smoke Hood
184	300	18"	7"
185	365	18"	7"
186	420	18"	7"
205	500	20"	7"
206	575	20"	7"
225	675	22"	8"
226	775	22"	8"
255	825	25"	8"
256	950	25"	8"
285	1100	28"	10"
286	1265	28"	10"

NOTE: If domestic coil is used, ADD 3 feet of radiation for each gallon of tank capacity.

"VIKING" SQUARE SECTIONAL BOILERS

Boiler Number	NET Rating - Sq.Ft.		Grate Area Sq. Ft.	Grate Size	Smoke Pipe
	WATER	STEAM			
28-5	1280	800	4.66	27-3/4x23"	14"
28-6	1600	1000	5.83	27-3/4x29"	14"
28-7	1920	1200	7.00	27-3/4x35"	14"
28-8	2240	1400	8.17	27-3/4x41"	14"
28-9	2560	1600	9.33	27-3/4x47"	14"
28-10	2880	1790	10.49	27-3/4x53"	14"
28-11	3200	1990	11.65	27-3/4x59"	14"
34-6	2300	1440	7.08	34x29"	16"
34-7	2760	1730	8.50	34x35"	16"
34-8	3220	2020	9.90	34x41"	16"
34-9	3680	2310	11.33	34x47"	16"
34-10	4140	2600	12.75	34x53"	16"
34-11	4600	2890	14.17	34x59"	16"
34-12	5060	3180	15.59	34x65"	16"
34-13	5520	3470	17.01	34x71"	16"
34-14	5980	3760	18.43	34x77"	16"
40-7	4250	2675	13.22	40x49-3/4"	21"
40-8	5000	3125	15.47	40x58-1/4"	21"
40-9	5700	3550	17.70	40x66-5/8"	21"
40-10	6400	4000	17.70	40x66-5/8"	21"
40-11	7100	4430	17.70	40x66-5/8"	21"
40-12	7800	4875	17.70	40x66-5/8"	21"
40-13	8500	5300	19.92	40x75"	21"
40-14	9200	5750	19.92	40x75"	21"

January 1913
& March 1930
Catalogs

"VIKING" SQUARE SECTIONAL BOILERS

Boiler Number	GROSS Ratings - Sq. Ft.		Fire Area Inches	Fire Area Sq. Ins.	Smoke Pipe
	WATER	STEAM			
15-4	500	300	17x18"	306	7"
15-5	700	425	17x24"	408	7"
15-6	900	550	17x30"	510	7"
15-7	1100	675	17x36"	612	7"
20-4	825	500	22x18"	396	9"
20-5	1000	600	22x24"	528	9"
20-6	1325	800	22x30"	660	9"
20-7	1650	1000	22x36"	792	9"
20-8	2000	1200	22x42"	924	9"
20-9	2300	1400	22x48"	1056	9"
20-10	2600	1600	22x54"	1148	9"
20-11	2900	1800	22x60"	1320	9"
30-5	1650	1000	32x24"	768	14"
30-6	2250	1350	32x30"	960	14"
30-7	2800	1700	32x36"	1152	14"
30-8	3400	2100	32x42"	1344	14"
30-9	4000	2400	32x48"	1536	14"
30-10	4500	2700	32x54"	1728	14"
30-11	5000	3000	32x60"	1920	14"
30-12	5500	3300	32x66"	2112	14"
30-13	6000	3600	32x72"	2304	14"
40-5	3500	2100	42x32"	1344	18"
40-6	4400	2600	42x40"	1680	18"
40-7	5400	3100	42x48"	2016	18"
40-8	6400	3700	42x56"	2352	18"
40-9	7425	4300	42x64"	2688	18"
40-10	8550	4950	42x72"	3024	18"
40-11	9675	5850	42x80"	3360	18"
40-12	10800	6550	42x88"	3696	18"
40-13	11925	7250	42x96"	4032	18"

Catalog 6010
Year - 1944

WATEROUS "PACIFIC" HEATING BOILERS
STEAM OR VAPOR -- S.H.B.I. RATINGS

DIRECT DRAFT Hand Fired Number	Rating	Heating Surface Sq. Ft.	SMOKELESS ARCH Hand Fired Number	Rating	Mech. Fired Number	Rating	Heating Surface Sq. Ft.	Grate Area Sq. Ft.
2221	700	50			8221	969	57	3.973
2222	910	65			8222	1258	74	4.925
2224	1120	80			8224	1530	90	6.829
2261	1400	100			8261	1904	112	6.82
2263	1750	125			8263	2346	138	7.93
2264	2100	150			8264	2805	165	9.1
2292	2450	175	6292	2450	8292	3230	190	10.1
2293	2800	200	6293	2800	8293	3672	216	10.9
2294	3150	225	6294	3150	8294	4114	242	10.9
2330	3500	250	6330	3500	8330	4539	267	12.5
2331	3850	275	6331	3850	8331	4964	292	12.5
2332	4200	300	6332	4200	3332	5406	318	13.5
2333	4900	350	6333	4900	8333	6273	369	15.4
2334	5600	400	6334	5600	8334	7174	422	16.3
2401	6300	450	6401	6300	8401	8024	472	18.2
2402	7000	500	6402	7000	8402	8874	522	18.2
2471	7700	550	6471	7700	8471	9741	573	19.5
2472	8400	600	6472	8400	8472	10608	624	21.3
2473	9100	650	6473	9100	8473	11458	674	21.3
2521	9800	700	6521	9800	8521	12563	739	23.4
2522	11200	800	6522	11200	8522	14263	839	24.9
2523	12600	900	6523	12600	8523	15988	940	26.4
2600	14000	1000	6600	14000	8600	17688	1040	28.7
2601	15400	1100	6601	15400	8601	19465	1145	30.4
2602	16800	1200	6602	16800	8602	21165	1245	30.4
2603	18200	1300	6603	18200	8603	23154	1362	32.2
2670	19600	1400	6670	19600	8670	24854	1462	34.
2671	21000	1500	6671	21000	8671	26588	1564	34.
2672	22400	1600	6672	22400	8672	28602	1682	35.9
2673	25200	1800	6673	25200	8673	32087	1887	37.8
2751	28000	2000	6751	28000	8751	35487	2087	40.5
2752	30800	2200	6752	30800	8752	39338	2314	42.6
2753	33600	2400	6753	33600	8753	42840	2520	44.6
					8841	47532	2796	
					8842	52020	3060	
					8843	56508	3324	

HOT WATER

1221	1120	50			7221	1550	57	3.973
1222	1456	65			7222	2013	74	4.925
1224	1792	80			7224	2448	90	6.829
1261	2240	100			7261	3046	112	6.82
1263	2800	125			7263	3754	138	7.93
1264	3360	150			7264	4488	165	9.1
1292	3920	175	5292	3920	7292	5168	190	10.1
1293	4480	200	5293	4480	7293	5875	216	10.9
1294	5040	225	5294	5040	7294	6582	242	10.9
1330	5600	250	5330	5600	7330	7262	267	12.5

(Continued next page)

Catalog 6010
Year - 1944

WATEROUS "PACIFIC" HEATING BOILERS
WATER - Continued

DIRECT DRAFT Hand Fired Number	Rating	Heating Surface Sq. Ft.	SMOKELESS ARCH Hand Fired Number	Rating	Mech. Fired Number	Rating	Heating Surface Sq. Ft.	Grate Area Sq. Ft.
1331	6160	275	5331	6160	7331	7942	292	12.5
1332	6720	300	5332	6720	7332	8650	318	13.5
1333	7840	350	5333	7840	7333	10037	369	15.4
1334	8960	400	5334	8960	7334	11478	422	16.3
1401	10080	450	5401	10080	7401	12838	472	18.2
1402	11200	500	5402	11200	7402	14198	522	18.2
1471	12320	550	5471	12320	7471	15586	573	19.5
1472	13440	600	5472	13440	7472	16973	624	21.3
1473	14560	650	5473	14560	7473	18333	674	21.3
1521	15680	700	5521	15680	7521	20100	739	23.4
1522	17920	800	5522	17920	7522	22820	839	24.9
1523	20160	900	5523	20160	7523	25581	940	26.4
1600	22400	1000	5600	22400	7600	28301	1040	28.7
1601	24640	1100	5601	24640	7601	31144	1145	30.4
1602	26880	1200	5602	26880	7602	33864	1245	30.4
1603	29120	1300	5603	29120	7603	37046	1362	32.2
1670	31360	1400	5670	31360	7670	39766	1462	34.
1671	33600	1500	5671	33600	7671	42540	1564	34.
1672	35840	1600	5672	35840	7672	45765	1682	35.9
1672.5	38080	1700			7672.5	48620	1787	35.9
1673	40320	1800	5673	40320	7673	51340	1887	37.8
1751	44800	2000	5751	44800	7751	56780	2087	40.5
1752	49280	2200	5752	49280	7752	62942	2314	42.6
1753	53760	2400	5753	53760	7753	68544	2520	44.6
					7841	76051	2796	
					7842	83232	3060	
					7843	90412	3324	

OIL FIRING - S.H.B.I. RATING

Catalog Number	STEAM Rating	WATER Rating	Size of Stack Round	Size of Stack Rectangular	Stack Height	Heating Surface Sq. Ft.
1521-0	663	1060	9"	8x12"	35'	39
1921-0	816	1306	10"	8x12"	35'	48
1925-0	952	1523	10"	8x12"	40'	56
2326-0	1139	1822	12"	12x12"	40'	67
2330-0	1343	2149	12"	12x12"	40'	79
2337-0	1547	2475	12"	12x12"	45'	91
2737-0	1836	2938	14"	12x16"	45'	108
2745-0	2176	3482	14"	12x16"	50'	128
2754-0	2550	4080	14"	12x16"	55'	150
2761-0	2890	4624	14"	12x16"	55'	170

WATEROUS
150

Catalog 6000

WATEROUS "PACIFIC" STEEL HEATING BOILERS
HOT WATER -- S.H.B.I. RATING

DIRECT DRAFT Hand Fired		SMOKELESS Hand Fired		Mechanically Fired		Heating Surface	Grate Area
Number	Rating	Number	Rating	Number	Rating	Sq. Ft.	Sq. Ft.
1221	965			7221	1282	47.20	3.973
1222	1303			7222	1580	58.17	4.925
1223	1549			7223	1879	69.14	5.878
1224	1900			7224	2310	80.11	6.829
1260	1654			7260	2035	74.9	5.719
1261	2170			7261	2635	97	6.82
1262	2480			7262	3010	111	7.93
1263	2750			7263	3340	123	7.93
1264	3360			7264	4070	150	9.1
1291	3740	5291	3740	7291	4540	167	9.3
1292	4160	5292	4160	7292	5050	186	10.1
1293	4570	5293	4570	7293	5540	204	10.9
1294	4970	5294	4970	7294	6030	222	10.9
1295	5390	5295	5390	7295	6540	241	11.8
1331	5800	5331	5800	7331	7040	259	12.5
1332	6960	5332	6960	7332	8450	311	13.5
1333	8130	5333	8130	7333	9860	363	15.4
1334	9290	5334	9290	7334	11280	415	16.3
1401	10440	5401	10440	7401	12660	466	18.2
1402	11100	5402	11100	7402	13480	496	18.2
1471	12610	5471	12610	7471	15300	563	19.5
1472	13530	5472	13530	7472	16410	604	21.3
1473	14470	5473	14470	7473	17550	646	21.3
1474	15390	5474	15390	7474	18660	687	22.6
1521	16660	5521	16660	7521	20210	744	23.4
1522	18900	5522	18900	7522	22930	844	24.9
1523	20020	5523	20020	7523	24290	894	26.4
1600	22580	5600	22580	7600	27390	1008	28.7
1601	25620	5601	25620	7601	31080	1144	30.4
1602	27150	5602	27150	7602	32930	1212	30.4
1603	30200	5603	30200	7603	36630	1348	32.2
1671	32810	5671	32810	7671	39860	1467	34.
1672	36440	5672	36440	7672	44210	1627	35.9
1673	40000	5673	40000	7673	48530	1786	37.8
1674	43570	5674	43570	7674	52850	1945	39.6
1751	46430	5751	46430	7751	56330	2073	40.5
1752	51030	5752	51030	7752	61900	2278	42.6
1753	55600	5753	55600	7753	67440	2482	44.6
				7841	72710	2676	
				7842	79880	2940	
				7843	87060	3204	

Catalog 6000

WATEROUS "PACIFIC" STEEL HEATING BOILERS
STEAM OR VAPOR -- S.H.B.I. RATING

DIRECT DRAFT Hand Fired		SMOKELESS ARCH Hand Fired		Mechanically Fired		Heating Surface	Grate Area
Number	Rating	Number	Rating	Number	Rating	Sq. Ft.	Sq. Ft.
2221	603			8221	860	50.6	3.973
2222	818			8222	1053	61.97	4.925
2223	1027			8223	1247	73.34	5.878
2224	1107			8224	1440	84.71	6.829
2260	1034			8260	1343	79	5.719
2261	1360			8261	1650	97	6.82
2262	1550			8262	1880	111	7.93
2263	1720			8263	2090	123	7.93
2264	2100			8264	2550	150	9.1
2291	2340	6291	2340	8291	2840	167	9.3
2292	2600	6292	2600	8292	3160	186	10.1
2293	2860	6293	2860	8293	3470	204	10.9
2294	3110	6294	3110	8294	3770	222	10.9
2295	3370	6295	3370	8295	4100	241	11.8
2331	3630	6331	3630	8331	4400	259	12.5
2332	4350	6332	4350	8332	5290	311	13.5
2333	5080	6333	5080	8333	6170	363	15.4
2334	5810	6334	5810	8334	7050	415	16.3
2401	6520	6401	6520	8401	7920	466	18.2
2402	6940	6402	6940	8402	8430	496	18.2
2471	7880	6471	7880	8471	9570	563	19.5
2472	8460	6472	8460	8472	10270	604	21.3
2473	9040	6473	9040	8473	10980	646	21.3
2474	9620	6474	9620	8474	11680	687	22.6
2521	10420	6521	10420	8521	12650	744	23.4
2522	11820	6522	11820	8522	14350	844	24.9
2523	12520	6523	12520	8523	15200	894	26.4
2600	14110	6600	14110	8600	17140	1008	28.7
2601	16020	6601	16020	8601	19450	1144	30.4
2602	16970	6602	16970	8602	20600	1212	30.4
2603	18870	6603	18870	8603	22920	1348	32.2
2671	20540	6671	20540	8671	24940	1467	34.
2672	22780	6672	22780	8672	27660	1627	35.9
2673	25000	6673	25000	8673	30360	1786	37.8
2674	27230	6674	27230	8674	33060	1945	39.6
2751	29020	6751	29020	8751	35240	2073	40.5
2752	31890	6752	31890	8752	38730	2278	42.6
2753	34750	6753	34750	8753	42190	2482	44.6
				8841	45490	2676	
				8842	49980	2940	
				8843	54470	3204	

Bulletin
8000

PACIFIC "RED CREST" STEEL BOILERS
S.H.B.I. RATINGS

Catalog Number	Ratings STEAM	Ratings WATER	NET Ratings STEAM	NET Ratings WATER	Smoke Outlet	Grate Area Sq. Ft.	Heating Surface Sq. Ft.
19A1	350	560	292	467	9"	2.57	27
19A2	420	670	350	558	9"	2.83	30
19B2	475	760	396	633	12"	3.3	34
19C2	570	910	475	758	12"	3.8	40
19D2	680	1090	567	908	12"	4.4	46
19E2	810	1300	675	1083	12"	4.9	54
19F2	950	1500	792	1250	14"	4.9	68
19G2	1120	1800	933	1500	14"	4.9	80

Dec. 15, 1927
Pacific Steel Boiler Corp.

PACIFIC DOWN DRAFT SMOKELESS BOILERS

STEAM Boiler Number	STEAM Net Rating	Heating Surface Sq. Ft.	WATER Boiler Number	WATER Net Rating	Heating Surface Sq. Ft.	Grate Area Sq. Ft.
4409	1900	171.5	3309	3200	178.5	7.3
4410	2150	191.	3310	3600	198.8	8.1
4411	2400	210.6	3311	4000	219.2	9.
4412	2650	230.1	3312	4400	239.5	9.8
411	2900	250.4	311	4700	250.4	10.3
412	3500	297.1	312	5600	297.1	11.4
413	4100	349.6	313	6600	349.6	12.2
414	4800	404.9	314	7800	404.9	13.4
415	5100	425.7	315	8200	425.7	14.3
416	5500	460.4	316	8900	460.4	15.7
417	6000	495.2	317	10000	495.2	17.
418	6700	556.7	318	10800	556.7	17.3
419	7900	645.9	319	12700	645.9	18.8
420	8500	691.5	320	13600	691.5	20.2
421	9300	747.6	321	14900	747.6	21.6
422	10500	850.8	322	17100	850.8	23.3
423	11500	915.				25.6
424	13500	1042.3				27.4
425	17000	1262.9				33.2
426	19000	1413.1				35.4
427	21000	1563.3				37.5
428	23000	1674.1				39.5
429	26000	1855.3				41.9
430	29000	2036.5				44.2

Above ratings based on heating surface, with steam at 2 lbs. gauge pressure;
hot water at 180 degrees at boiler.

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June, 1928

PACIFIC STEEL BOILERS FOR OIL FIRING

STEAM Catalog Number	STEAM NET Rating	WATER Catalog Number	WATER NET Rating	Smoke Conn. Diameter	Heating Surface Sq. Ft.
8808	1400	7708	2350	14"	131.4
8809	1650	7709	2750	14"	149.
8810	1900	7710	3150	14"	166.6
8811	2150	7711	3550	14"	184.2
8812	2400	7712	3950	14"	201.8
8813	2800	7713	4500	17"	232.8
8814	3400	7714	5500	17"	283.2
8815	4000	7715	6500	17"	333.6
814	4500	714	7400	18"	372.
815	5000	715	8300	18"	392.
816	5500	716	8800	18"	425.
817	5800	717	9300	18"	457.6
818	6500	718	10700	24"	508.5
819	7500	719	12400	24"	594.8
820	8500	720	13600	24"	637.5
821	9000	721	14500	26"	708.7
822	10000	722	16500	26"	809.5
823	12000			30"	864.5
824	14000			30"	988.8
825	15500			32"	1183.8
826	18000			32"	1332.9
827	20500			32"	1482.
828	22000			36"	1583.1
829	25000			36"	1759.
830	28000			36"	1934.9
831	31000			36"	2110.8
832	34000			36"	2286.7

PACIFIC STEEL RESIDENCE BOILERS

NET Ratings

STEAM Catalog Number	Hard Coal 8 Hour F. P.	Hard Coal 5 Hour F. P.	Soft Coal 7 Hour F. P.	Soft Coal 4 Hour F. P.	Grate Area Sq. Ft.	Heating Surface Sq. Ft.	Stack Diam.
R-201	500	700	400	600	4.0	50.60	11"
R-202	600	850	500	750	5.0	61.97	11"
R-203	700	1000	600	900	6.0	73.34	11"
R-204	800	1150	650	1000	5.8	79.	12"
R-205	900	1300	750	1150	6.9	93.2	12"
R-206	1000	1450	850	1300	8.0	107.4	12"
R-207	1100	1600	950	1450	9.1	121.6	12"
HOT WATER							
R-101	800	1100	650	950	4.0	47.20	10"
R-102	950	1350	800	1200	5.0	58.17	10"
R-103	1100	1600	950	1450	6.0	69.14	10"
R-104	1250	1750	1100	1600	5.8	74.9	12"
R-105	1450	2050	1250	1850	6.9	88.8	12"
R-106	1650	2350	1400	2100	8.0	102.7	12"
R-107	1850	2650	1550	2350	9.1	116.6	12"

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PACIFIC FIREBOX DIRECT DRAFT BOILERS

STEAM Catalog Number	STEAM NET Rating	Smoke Conn. Diameter	Grate Area Sq. Ft.	Heating Surface Sq. Ft.
2208	1200	14"	6.5	131.4
2209	1400	14"	6.5	149.
2210	1600	14"	7.3	166.6
2211	1800	14"	8.1	184.2
2212	2000	14"	9.	201.8
2213	2350	17"	10.2	225.3
2214	2850	17"	11.1	274.1
2215	3350	17"	12.0	322.8
214	3800	18"	12.70	372.
215	4100	18"	12.07	392.
216	4500	18"	13.10	425.
217	5000	18"	15.15	457.6
218	5500	24"	16.42	508.5
219	6500	24"	18.83	594.8
220	7000	24"	20.	637.5
221	7500	26"	19.11	708.7
222	8500	26"	20.50	809.5
223	10000	30"	25.14	864.5
224	11500	30"	26.64	988.8
225	13000	32"	32.60	1183.8
226	15000	32"	34.70	1332.9
227	17000	32"	36.80	1482.
228	19000	36"	39.10	1583.1
229	22000	36"	41.40	1759.
230	25000	36"	43.70	1934.9
HOT WATER				
1108	2000	13"	6.5	137.6
1109	2350	13"	6.5	156.
1110	2700	13"	7.3	174.4
1111	3050	13"	8.1	192.8
1112	3400	13"	9.	211.2
1113	3800	17"	10.2	225.3
1114	4600	17"	11.1	274.1
1115	5400	17"	12.	322.8
114	6100	18"	12.70	372.
115	6500	18"	12.07	392.3
116	7200	18"	13.10	425.
117	8000	18"	15.15	457.6
118	8800	24"	16.42	508.5
119	10500	24"	18.83	594.8
120	11200	24"	20.	637.5
121	12000	26"	19.11	708.7
122	13500	26"	20.50	809.5

USA Bulletin
Febr'y. 1928

PACIFIC FIREBOX SMOKELESS BOILERS

STEAM Catalog Number	STEAM NET Rating	Smoke Conn. Diameter	Grate Area Sq. Ft.	Heating Surface Sq. Ft.
6608	1400	14"	6.5	131.4
6609	1650	14"	6.5	149.
6610	1900	14"	7.3	166.6
6611	2150	14"	8.1	184.2
6612	2400	14"	9.	201.8
6613	2800	17"	10.2	225.3
6614	3400	17"	11.1	274.1
6615	4000	17"	12.	322.8
614	4500	18"	12.70	372.
615	5000	18"	12.07	392.
616	5500	18"	13.10	425.
617	5800	18"	15.15	457.6
618	6500	24"	16.42	508.5
619	7500	24"	18.83	594.8
620	8500	24"	20.	637.5
621	9000	26"	19.11	708.7
622	10000	26"	20.50	809.5
623	12000	30"	25.14	864.5
624	14000	30"	26.64	988.8
625	15500	32"	32.60	1183.8
626	18000	32"	34.70	1332.9
627	20500	32"	36.80	1482.
628	22000	36"	39.10	1583.1
629	25000	36"	41.40	1759.
630	28000	36"	43.70	1934.9
HOT WATER				
5508	2350	13"	6.5	137.6
5509	2750	13 "	6.5	156.
5510	3150	13"	7.3	174.4
5511	3550	13"	8.1	192.8
5512	3950	13"	9.	211.2
5513	4500	17"	10.2	225.3
5514	5500	17"	11.1	274.1
5515	6500	17"	12.	322.8
514	7400	18"	12.70	372.
515	8300	18"	12.07	392.
516	8800	18"	13.10	425.
517	9300	18"	15.15	457.6
518	10700	24"	16.42	508.5
519	12400	24"	18.83	594.8
520	13400	24"	20.	637.5
521	14500	26"	19.11	708.7
522	16500	26"	20.50	809.5

Cat. H-38

WEIL-McLAIN JACKETED BOILERS

Boiler Number	STEAM Rating Sq. Ft.	WATER Rating Sq. Ft.	GRATE Area Sq. Ft.	Fuel Capacity Pounds	Chimney Size
A-5	530	890	2.18	185	8x12"
A-6	690	1155	2.64	240	8x12"
A-7	850	1420	3.10	290	8x12"
A-8	1010	1685	3.56	345	8x12"
A-9	1170	1950	4.02	395	8x12"
A-10	1330	2215	4.48	450	8x12"
C-5	1250	2070	4.25	405	12x12"
C-6	1550	2570	5.15	505	12x12"
C-7	1850	3070	6.05	610	12x12"
C-8	2150	3570	6.95	710	12x12"
C-9	2450	4070	7.85	815	12x12"
C-10	2750	4570	8.75	915	12x16"
C-11	3050	5070	9.65	1020	12x16"
C-12	3350	5570	10.55	1120	12x16"

DITTO - OIL

Boiler Number	STEAM Rating Sq. Ft.	WATER Rating Sq. Ft.	GRATE Area Sq. Ft.	Fuel Capacity Pounds	Chimney Size
OA-5	290	465	2.18		9"
OA-6	365	585	2.64		9"
OA-7	440	705	3.10		9"
OA-8	515	825	3.56		9"
OA-9	590	945	4.02		9"
OA-10	665	1065	4.48		9"
OC-6	730	1170	5.15		13"
OC-7	830	1330	6.05		13"
OC-8	930	1490	6.95		13"
OC-9	1030	1650	7.85		13"
OC-10	1130	1810	8.75		13"
OC-11	1230	1970	9.65		13"
OC-12	1330	2130	10.55		13"
OC-13	1430	2290	11.45		13"
OC-14	1530	2450	12.35		13"
OC-15	1630	2610	13.35		13"

ROUND BOILERS FOR OIL

Boiler Number	STEAM Rating Sq. Ft.	WATER Rating Sq. Ft.	GRATE Area Sq. Ft.	Fuel Capacity Pounds	Chimney Size
05-17	210	340	3.41		6"
05-19	280	450	3.95		7"
05-22	430	690	5.65		8"
05-25	560	900	7.75		8"
05-28	730	1170	10.8		9"
05-31	820	1480	12.6		10"
06-17	225	360	3.6		6"
06-19	300	480	4.78		7"
06-22	460	740	6.26		8"
06-25	615	985	8.54		8"
06-28	800	1280	11.6		9"
06-31	900	1620	13.6		10"

Cat. H 25

WEIL-McLAIN SMOKELESS BOILERS

Boiler Number	STEAM Rating Sq. Ft.	WATER Rating Sq. Ft.	Firebox Area At Grate Sq. Ft.	Net Fuel Grate Area Sq. Ft.	Chimney Sizes Inches&Feet
722	1810	2990	7.03	4.88	12x12x40
822	2105	3475	8.11	5.96	12x12x45
922	2400	3960	9.19	5.96	12x12x50
1022	2695	4445	10.26	7.03	12x12x55
752	2460	4060	8.10	5.70	12x12x45
852	2995	4940	9.30	6.90	12x16x45
952	3530	5825	10.50	6.90	16x16x45
1052	4065	6710	11.70	8.10	16x16x50
782	4210	6950	11.47	7.97	16x16x50
882	5060	8350	13.22	9.72	16x16x55
982	5800	9570	14.97	11.47	16x20x55
1082	6550	10810	16.72	13.22	16x20x60
704	6800	11200	15.00	11.40	20x20x60
804	7850	12900	17.50	13.90	20x20x65
904	8900	14600	20	16.40	20x20x65
1004	9950	16300	22.50	18.90	20x24x65
1104	11000	18000	25	18.90	20x24x65
1204	12000	19650	27.50	21.40	20x24x70
1304	13000	21300	30	21.40	24x24x70
844	8480	13990	20.85	15.35	20x20x60
944	9605	15850	23.60	18.10	20x20x65
1044	10730	17700	26.35	20.85	20x20x70
1144	11855	19550	29.10	20.85	20x24x70
1244	12980	21400	31.85	23.60	24x24x70
1344	14105	23275	34/60	23.60	24x24x75
1444	15230	25125	37.35	23.60	24x24x75
1544	16225	26770	40.10	23.60	28x28x75
1644	17125	28250	42.85	23.60	28x28x80

WEIL-McLAIN SQUARE STEAM & WATER BOILERS FOR OIL

STEAM Boiler Number	STEAM NET Rating Sq. Ft.	WATER Boiler Number	WATER NET Rating Sq. Ft.	Comb. Volume Cu. Ft.	Smoke Pipe
022 S 5	650	022 W 5	1050	11.13	10"
022 S 6	810	022 W 6	1300	13.57	10"
022 S 7	960	022 W 7	1540	16.01	10"
022 S 8	1110	022 W 8	1780	18.45	10"
025 S 5	750	025 W 5	1200	12.66	12"
025 S 6	1000	025 W 6	1600	15.43	12"
025 S 7	1240	025 W 7	1985	18.20	12"
025 S 8	1470	025 W 8	2355	20.97	12"
025 S 9	1715	025 W 9	2745	23.74	12"
025 S 10	2035	025 W 10	3255	26.51	12"
028 S 5	1325	023 W 5	2120	23.90	13"
028 S 6	1750	028 W 6	2800	29.6 7	13"

(Continued Overleaf)

WEIL-McLAIN SQUARE STEAM & WATER BOILERS FOR OIL (continued)

STEAM Boiler Number	STEAM NET Rating Sq. Ft.	WATER Boiler Number	WATER NET Rating Sq. Ft.	Comb. Volume Cu. Ft.	Smoke Pipe
028 S 7	2170	028 W 7	3475	35.44	13"
028 S 8	2580	028 W 8	4125	41;21	13"
028 S 9	2980	028 W 9	4650	46.98	13"
028 S 10	3370	028 W 10	5390	52.75	13"
040 S 5	2400	040 W 5	3340	33.90	18"
040 S 6	2900	040 W 6	4660	41.32	18"
040 S 7	3400	040 W 7	5440	48.74	18"
040 S 8	3890	040 W 8	6225	56.16	18"
040 S 9	4380	040 W 9	7010	63.58	18"
040 S 10	4870	040 W 10	7795	71.00	18"
040 S 11	5370	040 W 11	8560	78.42	18"
040 S 12	5830	040 W 12	9330	85.84	18"
040 S 13	6310	040 W 13	10100	93.26	18"
044 S 6	3150	044 W 6	5050	50.01	18"
044 S 7	3770	044 W 7	5955	59.12	18"
044 S 8	4390	044 W 8	7030	64.23	18"
044 S 9	5010	044 W 9	8020	77.34	18"
044 S 10	5630	044 W 10	9010	85.45	18"
044 S 11	6250	044 W 11	10000	95.56	18"
044 S 12	6860	044 W 12	10980	104.67	18"
044 S 13	7470	044 W 13	11955	113.78	18"
044 S 14	8080	044 W 14	12930	122.89	18"
044 S 15	8690	044 W 15	13910	132.	18"
044 S 16	9300	044 W 16	14900	141.11	18"

(ANTHES) 40-SERIES WEIL-McLAIN HEAVY DUTY BOILERS

For Automatic Firing

Boiler Number	WATER NET IBR Rating Sq. Ft.	WATER NET IBR Rating B.T.U.	STEAM NET IBR Rating Sq. Ft.	STEAM NET IBR Rating B.T.U.	Burner Cap. Oil Gals.	Burner Cap. Coal lbs.	Chimney Size
40-5	4450	668,000	2700	648,000	8.7	98	16x16"
40-6	5430	815,000	3350	804,000	10.6	119	16x16"
40-7	6400	960,000	4000	960,000	12.4	140	16x20"
40-8	7440	1,116,000	4650	1,116,000	14.1	161	16x20"
40-9	8480	1,272,000	5300	1,272,000	15.9	182	16x20"
40-10	9520	1,428,000	5950	1,428,000	17.7	202	20x20"
40-11	10560	1,584,000	6600	1,584,000	19.6	224	20x20"
40#12	11600	1,740,000	7250	1,740,000	21.3	246	20x24"
40-13	12640	1,896,000	7900	1,896,000	23.2	268	20x24"

For Hand Firing

Boiler Number	WATER NET IBR Rating Sq. Ft.	WATER NET IBR Rating B.T.U.	STEAM NET IBR Rating Sq. Ft.	STEAM NET IBR Rating B.T.U.	Burner Cap. Oil Gals.	Burner Cap. Coal lbs.	Chimney Size
40-5	4335	651,000	2710	651,000			16x16"
40-6	5425	814,000	3390	814,000			16x16"
40-7	6575	987,000	4110	987,000			16x20"
40-8	7815	1,172,000	4885	1,172,000			20x20"
40-9	9095	1,364,000	5685	1,364,000			20x20"
40-10	10475	1,571,000	6545	1,571,000			20x24"
40-11	11655	1,749,000	7285	1,749,000			20x24"
40-12	12865	1,930,000	8040	1,930,000			24x24"
40-13	14015	2,103,000	8760	2,103,000			24x24"

SUPPLEMENTARY SECTION

Additional boiler listings and data, received after compilation closing date, are included on the pages following.

See "Supplementary Index" on page V11.

AMERICAN-STANDARD

American-Standard Products
(Canada) Limited

A-5 OIL FIRED BOILERS

Boiler Number	Net I-B-R Ratings STEAM Mbh	Sq.Ft.	WATER Mbh	Sq.Ft.	Gross Output	Burner Capacity gph	Chimney Size	Height
A-504	195.8	816	195.8	1305	261	2.55	8x12"	15'
A-505	259.6	1082	259.6	1731	346	3.30	8x12"	20'
A-506	319.6	1332	319.6	2131	426	4.00	12x12"	20'
A-507	381.1	1588	381.1	2541	508	4.75	12x12"	20'
A-508	441.1	1838	441.1	2941	588	5.55	12x16"	25'
A-509	501.1	2088	501.1	3341	668	6.30	12x16"	25'
A-510	561.1	2338	561.1	3741	748	7.00	12x16"	25'
A-511	622.7	2594	622.7	4151	830	7.65	16x16"	30'

Note: To Boiler Number ADD letters SO for steam or WO for water.

HOFFMAN

HOFFMAN HOT WATER STEEL BOILERS

OIL - or - GAS

Model Number	Net Ratings Sq. Ft. Oil	Gas	Natural Gas BTU Input	Output	Net BTU Output	Orifice Drill Max.Gas	Nozzle Size Max.Oil
400	475	533	125000	100000	80000	4	1.0
600	675	684	160000	128000	102500	C	1.75
900	900	825	193000	154000	123500	F	2.25
1200	1260	1200	282000	225000	180000	O	3.0

Birchfield Boiler, Inc.,
2503 East 11th St.,
Tacoma 1, Washington, USA

BIRCHFIELD COMMERCIAL STEEL BOILERS
Oil, Gas or Stoker Firing

Boiler Number	SBI NET Steam Load Sq. Ft.	Furnace Volume #	Chimney Diameter	Chimney Height
3362	2930	27.2	16	35
3371	3390	31.0	16	40
3967	3940	35.4	17	45
3976	4500	40.0	18	45
4464	5070	41.9	19	45
4471	5640	45.7	20	50
4484	6760	53.8	21	50
5277	7880	63.9	22	50
5293	9580	76.6	24	55
5882	11260	91.8	26	65
58101	14060	109.4	28	65
6595	16880	133.3	29	70
65110	19690	153.2	31	70
72100	22510	183.6	33	75
72123	28130	223.9	36	85
78127	33750	279.9	38	85
78145	39370	351.5	40	100
83144	45000	398.0	42	110
83160	50620	480.2	44	120
89157	56240	556.6	48	120

NOTE: Prefix "7" indicates STEAM Boiler

Prefix "8" indicates WATER Boiler

First two figures of Boiler number indicate width
Remaining figures of Boiler number indicate length

(#) Volume shown is for Firebox ONLY.

Blain Boiler Works Ltd.,
Vancouver, B.C.

BLAIN EMPIRE STEEL BOILERS

For Steam Boiler No's. Add
letter "s" - Water "w" -- BTU's in 1000's

	Automatic Firing			Hand Firing			
Boiler Number	STEAM GROSS Sq. Ft.	B.T.U's per hr.	WATER GROSS Sq. Ft.	STEAM GROSS Sq. Ft.	B.T.U.'s per hr.	WATER GROSS Sq. Ft.	Heating Surface Sq.Ft.
2736	1100	266	1750	900	219	1450	65
2742	1275	306	2040	1050	252	1680	75
2748	1480	355	2370	1220	293	1950	87
2754	1700	408	2700	1400	336	2200	100
3448	2125	510	3400	1760	420	2800	125
3460	2700	653	4350	2240	538	3600	160
3472	3250	780	5170	2700	650	4250	190
3484	3800	913	6125	3150	756	5050	225
4072	4080	980	6550	3360	806	5375	240
4084	4760	1142	7625	3920	940	6280	280
4096	5530	1330	8850	4550	1090	7300	325
4772	6300	1510	10100	5200	1250	8300	370
4784	7300	1750	11700	6025	1450	9650	430
4796	8500	2040	13600	7000	1680	11200	500
5396	9350	2240	15000	7700	1850	12300	550
6084	10620	2550	17000	8750	2100	14000	625
6096	12240	2940	19600	10100	2420	16150	720
60108	13800	3320	22000	11340	2720	18200	810
7284	14400	3460	23000	11820	2840	19000	845
7296	16500	3960	26200	13600	3260	21300	970
72108	18700	4500	30000	15400	3700	24700	1100
72120	20900	5020	33400	17200	4130	27600	1230
8496	22400	5380	36000	18500	4450	29600	1320
84108	25500	6120	40800	21000	5050	33600	1500
84120	28600	6870	45750	23600	5670	37600	1680

SMOKE OUTLET DIAMETER

Boiler No's.	2736 to 2754	3448 to 3484	4072 to 4096	4772 to 4796	5396
Diameter	12"	18"	20"	22"	24"

Boiler No's.	6084 to 60108	7284 to 72120	8496 to 84120
	26"	28"	32"

Note: B.T.U. ratings above vary slightly with steam versus water.

GRATE SURFACE (Furnace width by length)

Number	2736	2742	2748	2754	3448	3460	3472	3484	4072
Size	22x30"	22x36"	22x42"	22x48"	29x42"	29x54"	29x66"	29x78"	34x66"

Number	4084	4096	4772	4784	4796	5396	6084	6096	60108
Size	34x78"	34x90"	42x66"	42x78"	42x90"	47x88"	54x76"	54x88"	54x100"

Number	7284	7296	72108	72120	8496	84108	84120
Size	65x76"	65x88"	65x100"	65x112"	76x87"	76x99"	76x111"

E.& O.E.

The Peerless Heater Co.
Boyertown, Penn. USA

PEERLESS GAS FIRED BOILERS
"G" - SERIES

Boiler Number	A.G.A. B.T.U. Input	A.G.A. B.T.U. Output	NET I.B.R. RATING STEAM Sq. Ft.	WATER B.T.U.	WATER Sq. Ft.	Flue Outlet	Chimney Size
G-13B	105,000	84,000	225	63,000	420	5"	7x7"x20'
G-135B	132,500	106,000	290	80,000	535	6"	7x7"x20'
G-14B	160,000	128,000	350	97,000	645	6"	7x7"x20'
G-15B	203,750	163,000	450	123,000	820	8"	8x8"x20'
G-16B	247,500	198,000	550	149,000	995	9"	9x9"x20'
G-17B	291,250	233,000	650	176,000	1170	10"	10x10"x20'

PEERLESS SERIES 50 GAS FIRED BOILERS

Boiler Number	A.G.A. B.T.U. Input	A.G.A. B.T.U. Output	A.G.A. RATING STEAM Sq. Ft.	A.G.A. RATING WATER Sq. Ft.	NET IBR RATING STEAM Sq. Ft.	NET IBR RATING B.T.U. per hr.	NET WATER Sq. Ft.	Flue Size
750	350,000	280,000	1165	1865	875	210,100	1400	9"
850	400,000	320,000	1335	2135	1000	240,100	1600	9"
950	450,000	360,000	1500	2400	1125	270,100	1800	10"
1050	500,000	400,000	1670	2670	1250	300,100	2000	10"
1150	550,000	440,000	1835	2935	1375	330,100	2200	12"
1250	600,000	480,000	2000	3200	1500	360,100	2400	12"
1350	650,000	520,000	2170	3465	1625	390,100	2600	14"
			SERIES 150					
150-5	600,000	480,000	2000	3200	1500	360,000	2400	10"
150-6	750,000	600,000	2500	4000	1880	451,000	3005	12"
150-7	900,000	720,000	3000	4800	2250	540,000	3600	14"
150-8	1050,000	840,000	3500	5600	2635	632,000	4210	14"
150-9	1200000	960,000	4000	6400	2995	719,000	4795	14"
150-10	1350,000	1080,000	4500	7200	3370	809,000	5395	16"
150-11	1500,000	1200,000	5000	8000	3760	902,000	6010	16"
150-12	1650,000	1320,000	5500	8800	4150	996,000	6640	18"
150-13	1800,000	1440,000	6000	9600	4560	1094,000	7295	18"
150-14	1950,000	1560,000	6500	10400	4980	1195,000	7965	18"
150-15	2100,000	1680,000	7000	11200	5400	1296,000	8640	20"
150-16	2250,000	1800,000	7500	12000	5800	1392,000	9280	20"
150-17	2400,000	1920,000	8000	12800	6200	1488,000	9920	20"
150-18	2550,000	2040,000	8500	13600	6600	1584,000	10560	22"
150-19	2700,000	2160,000	9000	14400	6980	1675,000	11165	22"
150-20	2850,000	2280,000	9500	15200	7380	1771,000	11805	22"
150-21	3000,000	2400,000	10000	16000	7760	1862,000	12410	22"
150-22	3150,000	2520,000	10500	16800	8160	1958,000	13055	24"
150-23	3300,000	2640,000	11000	17600	8540	2050,000	13665	24"
150-24	3450,000	2760,000	11500	18400	8920	2141,000	14275	24"
150-25	3600,000	2880,000	12000	19200	9320	2237,000	14910	26"
150-26	3750,000	3000,000	12500	20000	9700	2328,000	15520	26"
150-27	3900,000	3120,000	13000	20800	10100	2424,000	16160	26"
150-28	4050,000	3240,000	13500	21600	10500	2520,000	16800	26"
150-29	4200,000	3360,000	14000	22400	10850	2604,000	17360	28"
150-30	4350,000	3480,000	14500	23200	11250	2700,000	18000	28"

RHEEM

RHEEM IMPERIAL OIL-FIRED BOILERS

Boiler Number	Boiler Burner Unit	NET I-B-R RATINGS Sq. Ft. WATER	MBH WATER	Sq. Ft. STEAM	MBH STEAM	Gross I-B-R Output MBH/HR	Burner Capacity Gals.Oil/Hr
0-13	0-13-B	445	67	240	58	89	0.09
0-14	0-14-B	610	92	325	79	121	1.20
0-15	0-15-B	765	115	420	101	153	1.50
0-16	0-16-B	925	139	510	122	185	1.80
0-17	0-17-B	1080	162	600	144	216	2.10

Chimney Size - 8" x 8" x 15'

ROBERTS-GORDON

Roberts-Gordon Corp.

GORDONEER GAS FIRED HOT WATER BOILER

Boiler Number	AGA Input BTU/HR	AGA Output BTU/HR	Installed Water Radiation Net I.B.R. (150 Btu) MBH	Sq. Ft.
GW-4	78000	62500	47.3	315
GW-6	115000	92000	69.0	460
GW-8	150000	120000	90.0	600

Heating Dept.
Emco Limited
Hamilton Ont.